

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

JUNE

1987

Lost Your Radio Station?



WABK-FM STEREO



Communications • Yesterday, Today & Tomorrow
July 17-19, 1987. Mississauga, Canada

ANARCON

ANARCON '87 Communications - Yesterday, Today and Tomorrow

The 1987 annual convention of the Association of North American Radio Clubs will be held in Mississauga, Ontario, Canada from Thursday evening, July 16th through Sunday, July 19th.

The Location : The Ontario DX Association, this year's sponsor, invites you to come to ANARCON'87, to be held at the Novotel Hotel, located in the heart of Mississauga, a city of over a quarter of a million people and located adjacent to Toronto.

Costs : Hotel room rates will be Cdn.\$62.00 or US\$47.00 per night, single or double occupancy. The Convention registration fee will be Cdn\$25.00/US\$19.00 per person for the full convention and the Saturday banquet will be available for Cdn\$25.00/US\$19.00.

Registration : Registration forms and complete information is available from the following address. Please include two Canadian or United States postage stamps to cover the cost of mailing.

ANARCON '87
P.O. Box 232, Station "Z"
Toronto, Ontario
M5N 2Z4
Canada

The deadline for reserving a hotel room and ensuring a banquet ticket is June 26th.

Convention Program

Thursday, July 16

8:30-11 pm Early Bird Reception hosted by the Ontario DX Association. An opportunity to meet shortwave broadcasters attending ANARCON.

Friday, July 17

8 am-9 pm Registration of attendees.

9-11 am ANARC Club Representatives meeting.

9:30-11 am Recording of RCI Mailbag.

10 am-5 pm Exhibits by manufacturers, distributors, publishers, broadcasters and clubs.

11 am-1 pm Lunch Break

1 pm-2 pm Vintage Radio Collecting Seminar by Sid Prior.

2 pm-3 pm RTTY and Facsimile Demonstration by Fred Osterman.

3-5 pm International Broadcasters Forum where attendees are invited to ask questions of a panel of broadcasters.

5-7 pm Dinner Break

7-11 pm ANARCON'87 Welcoming and Reception. Special presentation "Fifty Years of DXing" by Tom Williamson.

Saturday, July 18

- 8 am-5 pm Registration of attendees.
- 9 am-5 pm Exhibits
- 9-10 am 1. Introduction to the Radio Listening Hobby (by Michigan Area Radio Enthusiasts).
2. Longwave, Receiving and Transmitting Seminar by Herb Balfour.
- 10-11:30 am Club Forum : ANARC and club spokespersons present their organizations and discuss their activities.
- 11:30-1:30 Lunch Break
- 12:30-1:30 Recording of RCI SWL Digest Forum.
- 1:30- 2:30 1. Introduction to the Radio Listening Hobby (by Canadian International DX Club).
2. Propagation Seminar with David Clark and Cedric Marshall.
- 2:30-4 pm Equipment Forum : representatives from manufacturers and distributors and technical experts answer your questions about equipment.
- 4-5:30 pm Antenna Design and Construction Seminar by Tony Ward.
- 5:30-7 pm Free Time
- 7-10:30 pm Banquet. Guest Speaker will be Bob Grove of MONITORING TIMES and Grove Enterprises.

Sunday, July 19

- 8-11 am Registration
- 8-11 am Exhibits
- 8:30 am Brunch, complimentary.
- 9-10 am Mediumwave DXing Techniques and Equipment Seminar, by representatives of ODXA, CIDX, NRC and IRCA.
- 10-11 am World Radio and Television Handbook Quiz, conducted by Andy Sennitt.
- 11-11:30 am Convention Closing Ceremonies.
- 2-9 pm Tour and Dinner away from hotel.

Spouses Program

A special program is being planned for spouses and families of Convention attendees. Activities planned thus far include:

Friday, July 17 :

morning - shopping at Square One mall conveniently located across the street

afternoon - at the hotel there will be exhibits of crafts for sale and display, also make-up demonstrations

Saturday, July 18 :

bus trip to Shaw Festival at Niagara-on-the-Lake for lunch and live theatre

ANARCON '87

REGISTRATION FORM

for the 1987 ANNUAL CONVENTION of the Association of North American Radio Clubs, to be held July 16-19 at the Novotel Hotel in Mississauga, Ontario.

(Note: all prices are quoted in both Canadian and U.S. funds)

Name: _____ Age Group: ☐ Under 20 ☐ 20-34 ☐ 35-49 ☐ 50-65 ☐ Over 65

Address: _____

Telephone: _____

Interests: ☐ SWBC ☐ MWBC ☐ Utilities ☐ FM/TV ☐ Ham ☐ PSB

☐ RTTY ☐ Longwave ☐ Other _____

Club Affiliations (if any): _____

Date and approximate time of arrival (if known): _____ A.M. P.M. Mode of travel: ☐ Car ☐ Plane ☐ Train ☐ Bus

(Instructions for reaching the hotel will be mailed as part of your confirmation package.)

HOTEL ACCOMMODATION: A special rate of \$62.00 (Canadian) (\$47.00 U.S.) per room per night (Single or Double occupancy) has been guaranteed for the nights of July 16-19 inclusive. For subsequent nights a rate of \$74.00 (Canadian) per night will apply. A limited number of cots are available if three people wish to share a room; the extra charge is \$15.00 Canadian (\$12.00 U.S. per night.

I require accommodation for the nights of: JULY 16 ☐ 17 ☐ 18 ☐ 19 ☐

Additional Nights required _____ Do you plan to share a room with someone who is registering separately? ☐ Yes ☐ No

If so, please state the name(s) of the person(s) with whom you plan to share: _____

☐ Check here if you are willing to share a room and you would like us to match you with someone in a similar position. (Please send a deposit at the single person rate; a credit will be made if we match you with someone. We will do our best, but cannot promise that a match will be made).

BANQUET Will you or any family members attend the Saturday evening banquet? ☐ Yes ☐ No

Names of those attending (including yourself): _____

If you require a special diet, please specify: _____

(Formal Attire: Jacket and Tie please)

HANDICAPPED ATTENDEES Will you require assistance or special facilities? ☐ Yes ☐ No

If so, please specify: _____

DEPOSIT Please include whichever of the following apply to you:

CONVENTION REGISTRATION FEE:

\$25.00 Canadian (\$19.00 U.S.) per person

\$35.00 Canadian (\$27.00 U.S.) family rate

\$ _____

BANQUET FEE:

\$25.00 Canadian (\$19.00 U.S.) per person

\$ _____

HOTEL ACCOMMODATION:

(first night only, balance payable at checkout)

\$62.00 Canadian (\$47.00 U.S.)

\$ _____

TOTAL DEPOSIT

\$ _____

Please make Money Orders, Bank Drafts or Personal Cheques (the latter from Canada and U.S.A. only) payable to the ANARC CONVENTION COMMITTEE, at the following address:

BOX 232, POSTAL STATION "Z"
TORONTO, ONTARIO
CANADA M5N 2Z4

ANY QUESTIONS MAY BE ADDRESSED AS FOLLOWS:

ANARC CONVENTION COMMITTEE
BOX 232, POSTAL STATION "Z"
TORONTO, ONTARIO
CANADA M5N 2Z4

Please allow 2-3 weeks for your confirmation to reach you

Deadline for registration:

JUNE 26, 1987

(Registrations must be RECEIVED by this date to guarantee hotel accommodation)

THANK YOU FOR YOUR INTEREST — SEE YOU IN JULY!

IF YOU REQUIRE ACCOMMODATION, PLEASE FILL OUT THE FOLLOWING FOR USE BY THE HOTEL:

NAME: _____

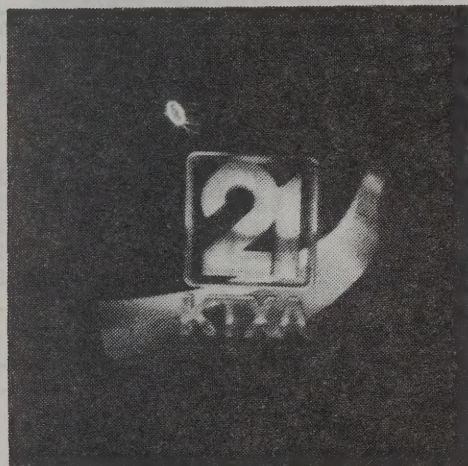
ADDRESS: _____ DATE OF ARRIVAL: _____

DATE OF DEPARTURE: _____

JUNE

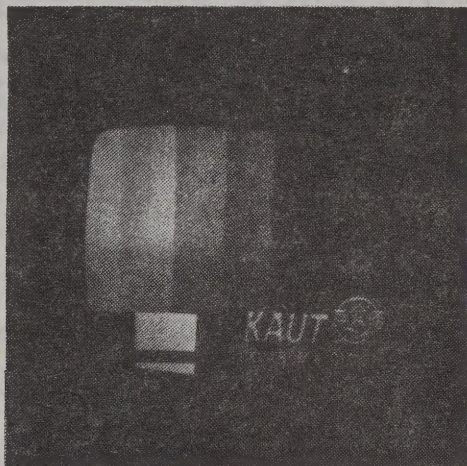
1987

These are the last of the photos sent in by Bill Eckberg - Dixon, Illinois..



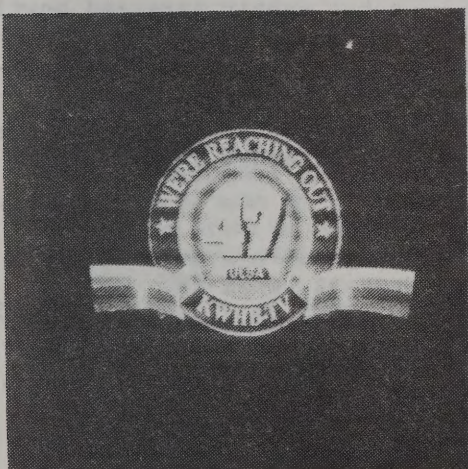
KTXA-21

Fort Worth/Dallas, TX
755 mile tropo
seen November 28, 1986
"ran slide all night"



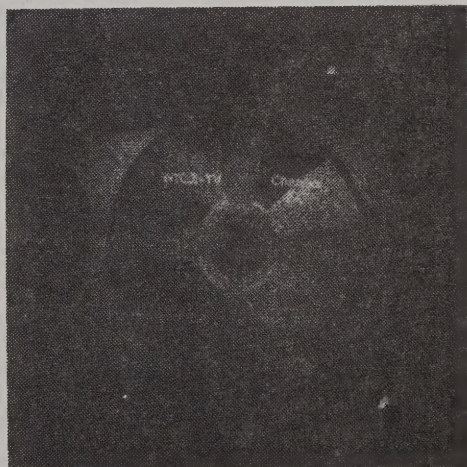
KAUT-43

Oklahoma City, OK
612 mile tropo
seen November 28, 1986



KWHB-47

Tulsa, OK
519 mile tropo
seen November 28, 1986
"unusual slide"



WICZ-40

Binghamton, NY
681 mile tropo
seen December 23, 1986
"noted 0410-0430 CST"



DAVE

EASTERN TV-DX

John F. Combs
1308 Willow Branch #24
Jacksonville FL 32205
(904) 389-2451

DEADLINE: 1st of each month

Reports from TV-DXers in AL,CT,DC,DE,FL,GA,IN,KY,MA,MD,ME,MI,NC,NH,NJ,NY,OH,PA,RI,SC,TN,VA,VT,WV,Quebec,Ontario,and the Maritimes.

Charles Gauthier, 3260 Beaulieu, Brossard, P.Q. J4Z 2P7

"I am a new member of WTFDA and I would like to report some of the DX I've done last summer. My equipment includes the following: RCA Colortrak 20" color TV (Model GFR 650 T), Radio Shack 40 element VHF/UHF/FM outdoor antenna (Cat. No. 15-8224) with Archer rotor."

JULY 1986		JULY 1986		JULY 1986	
26 E	1145 WTVY-4 (FL)1315	26 E	1236 WEAR-3 (AL)1320	27 T	2338 WFSB-3 CT 35
	1145 WJXT-4 FL 1320		"destroying WCAx-3"	28 T	0812 WHEC-10 NY 31
	1200 KARK-4 AR 1380		1240 unID-4 Spanish		0830 WTEN-10 NY 23
	1207 WWL-4 LA 1370	27 T	2215 WBZ-4 MA 325		2309 WUTV-29 NY 38
	1207 KMOX-4 MO 1075		2230 WMED-13? ME T		2355 CKGN2-2 ON 17

(Thanks for your report! Nice to have a reporter Quebecois aboard!--jfc)

John O. Broomall, Rt. 1, Broomall Trail, Waleska GA 30183 (404) 479-2001

APRIL 1987

- 9 T "27 stns including WJCL-22 GA (246)."
- 12 T "41 stns including WTVY-4 (FL)(247), WJHG-7 FL (276), WMBB-13 FL (278), WABW-14 GA (225), WJWJ-16 SC (252), WLTX-19? SC T, WJCL-22 GA (246), WTXL-27 FL (263), WTGS-28 SC (253)."
- 14 T "30 stns including WJCL-22 GA (246)."
- 22 T "Probably 40+ stns from the south--opening came about 30 minutes before leaving for work. WJCL-22 perfect, tent. WVGA-44 GA plus first stn ever logged on 34--unfortunately unID."
- 23 T "29 stns including WAKA-8 AL (198)."
- 24 T "30 stns to north including rare WTVF-5 TN (181)."

EQUIPMENT: Zenith 19" color w/MTS stereo (1986), set-top rabbit ears and bowtie
TOTALS: 146 with one new in April.

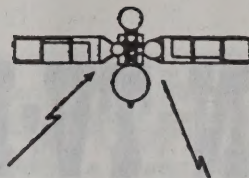
John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205

APRIL 1987

- 6 E 2120-2238 unID-2 (XHIMT-7 relay) plus YSR-2 San Salvador, El Salvador with oddly, the Miss Venezuela beauty pageant! (Almost thought I had a 2-hop there!) MUF briefly to Ch. 3 at 2238.
- 7 E 1945-2200 unID-2 Spanish
- 10 E 1318-1345 CCI on Ch. 2
- 11 T 0155-0300 Miami 7,33,39 (313), WFLX-29 FL (272), W29AB Ocala FL (WTOG-44 xltr), WJHG-7 FL (221), plus tent. WPMI-15, WLTZ-38, WDHN-18.
0800+ Tampa-St. Pete very strong (175), WXEL-42, WTVX-34 FL (234), WBFS-33 tent. SC 23,25,26,27.
- 12 T 0220-0300 Orlando local quality, WTAT-24 SC (216), WLTZ-38 GA (240), WXFL-8 FL (174), WINK-11 FL (242), tent. SC 15,25.
0800-0830 Big opening, some UHF 2-3 deep, but had to leave at 0830. Only IDs were WKAB-32 AL (305) and WVEU-69 GA (286). Seemed like just about every UHF in FL/GA/SC was in, too.
2210 WHMC-23 SC (294), WJKA-26 NC (335), WJPM-33 SC (297), WUNJ-39 NC (344)
- 13 T 0700 WTAT-24 very strong
2135-2315 SC 10,23,25, WJKA-26, WUNJ-39
- 14 T 0715 WTAT-24 again (that 5 megawatts gets out over the water path!)
- 21 T 0200 WFLX-29, W29AB, WCLF-22 FL
- 22 T 0800-0830 WATL-36 & WVEU-69 Atlanta GA, tent. WFTX-36 FL and WNEG-32 GA
- 23 T 0130 Columbia SC 19,25
0735 SC 14,25,26,27 + others
- 24 T 0650-0730 SC 14,25,26; WFTX-36 FL (243), WFLX-29, WEVU-26 FL (277)
- 27 AM & 29 PM Lots of UHF prob. SC and south FL--no time to log
- 30 T 0930+ Intense opening--many regulars plus WCOV-20, WAIQ-26 (stn #200), & WKAB-32 Montgomery AL (305); also WXTX-54 (rare) and an unID-63 (who??)

REMEMBER, AS OF THE DEADLINE FOR THE JULY COLUMN LOGGINGS OVER 90 DAYS OLD WILL BE DELETED! DX DISTANCE PRINTOUTS STILL ONLY \$7 (SPECIAL RATE FOR WTFDA MEMBERS

SATELLITE NEWS



GEORGE W. JENSEN
4604 Anntana Avenue
Baltimore, MD 21206-4220

NEWNESS

Shipboard Satellite Network - This is not a currently active service, but rather one which has run tests in the past year. They plan to become active in the not too distant future and will be commercial, originate their own programming, and carry programming from other sources like - CNN, NBC, ABC, CBS, Etc. There is no transponder assigned yet, but they plan to use Spacenet 2 - not sure of Ku or C - but since I have never seen any C video on Spacenet 2 and have on Ku, would assume Ku to be the place to watch. Basically, they will be programming to cruise ships at sea.

3 ANGELS BROADCASTING - on Satcom 1 - XPR 17 V - Religious

NORTH AMERICA I - audio service - Satcom² 23 V - Satellite/dish owner news and talk,

WORLDNET * United States Information Agency - Satcom 1 18 H - like a video Voice of America - an occasional service.

WOR * Now ID's as WWOR - Galaxy 1 - 15H

RAI - Rome - now had a United States service on Satcom 4 - 2H for several hours weekdays in the late afternoon prior to the sign-on of Bravo. It is in Italian and covers programs from Rome as well as New York with New York city Ads.

The Fashion Channel - Satcom 4 14H - according to Orbit will debut about the time you read this

BAPTIST TELEVISION - SPACENET 1 - 21H - now carries a religious service some evenings - Lighthouse Inspirational Network (also reported as Lifeway)

NHK/ABC/WTN - remain on Satcom 1 16H PM's and 24 hrs. on Galaxy 3 11H the Galaxy service seems to be exclusively for NHK Tokyo and carries ABC - New York when not carrying feeds.

OTHERNESS -

REMOTE NEWS FEEDS - as this technology increases Ku seems to be the primary carrier - especially SBS-3, S-Stars 1 and 2 - especially 1-Star 2. If a news event of a regional or national importance occurs - one of these birds will be the one to scan for coverage. The plane crash in California last fall, the Amtrack crash in January, or the recent building collapse in New England - all were heavily carried by NEWSTAR/CONUS and other local, regional and national services.

ViCom is now saying that the programming switch off of Satcom 3 will occur in the next few months, but not to Telstar 303, but rather to Galaxy 3. Currently, there are only 2 services using Galaxy 3 full-time - they are Sky Merchant and the new National Shopping Club. Other users are only part-time or feeds.

By the way - the upcoming fashion channel will occupy the same slot on Satcom 4 that Crazy Eddie did, before he went to the great sky merchant in the sky.

A unknown service is now permanently using a scrambled (BMAC?) XPDR on ASC-1 Ku. No permanent users of C noted at this time. SBS-2 seems to have lost a lot of it's digital/telemetry traffic lately. It almost appears dark.

Lastly - tho humorously - why did I decide to write a column on Satellites when the whole world has seemingly decided to cease launching any more - any time soon. The adventure was great in trying to find the new ones and then searching for the transponders being used.

I still need the help of other bird watchers in knowing what you receive, the equipment used, and quality of reception of satellites received and services received - especially - new services and Audio services. I have a very busy schedule that does not give me great amounts of time most of the year to really compile some things the way I would like to. Till next time - '73's

WESTERN TV-DX

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

June 1987

Deadline: 7- 9-87
Log Cutoff: 5- 9-87

There are two things which you may notice this month - one, that the column is quite short and two, that I am publishing some loggings older than my newly established 60 day rule. They are being published due to the fact that my announcement about the new policy was poorly handled. I did not give enough advance notice to make it possible for all reporters to get their older loggings in. For your convenience, starting this month, I will be listing the cutoff date for your reported loggings along with the reporting deadline.

Happily, the older loggings reported this month include some excellent tropo. Frank Merrill had tropo out to Florida on February 13 with the most distant logging being a relog of WFTS-28 which Frank had the good fortune of seeing only last December 27. There are quite a number of fine tropo loggings in Frank's report.

The balance of this months loggings consists of reports of E skip in April and May. I am sure there will be much more in the July column.

Incidentally, also making it easy to use the older loggings this month is the fact that I am going to have a hard time filling two pages this time!

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/Off - =
ID Color Bars - @ _____ Unid Color Bars - % IHTP - ¢ Misc. Test Patterns - &

NL - Nuevo Leon TA - Tamaulipas

Frank Merrill, P.O. Box 669, Macomb, IL 61455

CST/CDT

Equipment: Channel Master 3617 "Super Crossfire" VHF (top-of-the-line), Channel Master seven foot UHF dish, Alliance rotor and Winegard preamplifiers on a seventy foot Rohn tower.

February 1987

2 tr 0200 Tulsa 41, 47 400
0500 KSNF 16
OKC 14, 25 strng
4 tr 0320 WVAH 23 WV 491
WEIO 39 TN 533
2300 Columbus U's 410
5 tr 0010 KTVP 29 AR 360
KGCT 41 OK 400
KJTM 38 AR 425
0140 WAKC 23 OH 480
WVAH 23 WV 491
WBNS 10 OH 408
WLYJ 46 WV 557
(CCI to WHME-46)
6 tr 0410-0430 Toledo 11,13
Detroit 20,56,62
WAKC 23 OH 480
WDLI 17 OH
1839 WPWR 50(IL) 188
Sioux City 320
KXLI 41 MN 371
Minneapolis U's
2030 KHNE 29 NE 386
Omaha strong
2037 KUON 12 NE 303
2300 W51AF? 51 OH
(Back on the air
with WCFC-38)
12 tr 2200 KHNE 29 NE 386
Western Iowa
Topeka, Lexington

12 tr 2200 Louisville
13 tr 0130-0400 KESDt 8 SD
(0 kHz to WQAD)
0200 KDSD 16 SD 493
0850-1000 GA's on 14,
28, 38, and 54
AL's on 15, 19,
21,25(CCI),26,31
33,36,40,42,44,
48, and 54
0855 WFTS 28 FL 999
0900 WCAJ 68 AL 531
0918 WGIQ 43 AL 673
0934 unid ch 49
(Bainbridge,GA?)
1000 WTJP 60 AL 515
18 tr 0115 WAKC 23 OHtrace

March 1987

2 tr 0059-0149
WDBB 17 AL
WWSB 27 MS
WPTY 24 TN CCI
WVIM 13 AL
WDEF 12 TN
0655-0735
WABW 14 GA 744
(Really gets out)
WJSP 28 GA
WATL 36 GA
WEIO 39 TN

2 tr 0655-0735 (cont.)

WTCT 45 TN
WGNX 46 GA
WAFF 48 AL
WDSI 61 TN
WVEU 69 GA
WHWC 28 WI
WGTU 29 MI
WLEF 36 WI
0812 WBMG 42 AL
0813 WJTC 44(AL) 706
0830 WLIQ 41 AL 583
(Local ID)
0840 KTVP 29 AR

April 1987

9 tr 0845 WCCU 27 IL 150
(See Note # 1)
0851 W42AF 42 WI
(Ripon LPTV)
WPNE 38 WI
27 Es 1533 WTKR 3 VA 810
1545 WHSV 3 VA 657
1548 WVAR 2 MD 750
28 Es 1236 WCIX 6 FL 1189
Cuba 6 ????
1238 Cuba 3 ????
1241 Cuba 5 ????
(MUF 107.1-1300)
WEDUT 3 FL
WPBTt 2 FL

Note # 1 - 4/9 @ 0845 - WCCU-27 is a satellite of WRSP-55, but runs late or all night after channel 55 sign/off.

Frank Merrill (continued) The E skip on April 27 and 28 was most welcome, because it was my first April E skip ever in 25 years of DX'ing! I really can't comprehend how I managed to miss April E skip for so many years. For a special treat it also gave me Cuba on FM (90.3 MHz), a country heard only once during many years in Michigan and Toledo. All three Cubans were running a Phillips test pattern with hard-to-see ICRT calls on top left of center. Now to catch some February and March E skip, but I'll have to pay closer attention.

I have just acquired an ICOM R-7000 (and tested it with its video adaptor). I do not recommend the receiver for TV-DX'ing. Under dead conditions, Peoria channels 26 and 31 (80 miles) produced a mixing product on channel 37 which bled over into channel 36 and in several other places while the Zenith had no such problem. The video tended to be fuzzy, because some of the high frequency response has been eliminated. Weaker stations often had a problem of going into sync. Though its sensitivity rivals the Zenith, I do not recommend this receiver for serious TV DX'ing because of the spurious response problems.

E skip season is at hand when you see this - don't miss it!! Seven tea trees.

William Eckberg, 1032 Sterling Road, Dixon, IL 61021

CDT

Equipment: See April 1987 Western TV-DX

April 1987

9 tr 0530	WCAY 30 TN 408	27 Es 1800 WPBT	2 FL 1229	28 Es 1300 KIII	3 TX 1072
	WZTV 17 TN 408	1912 WESH	2 FL 983	1330 Cuba	5 ????
10 ms 0505	KAMR 4 TX 803	28 Es 1158 WBRZ	2 LA 784	1335 Cuba	6 1340
21 Es 1730	XEFE 2 TA 1149	1233 KMOL	4 TX 992	1400 WEAR	3 FL 792
	1800 XEFB 2 NL 1282	1245 Cuba	3 1350	1425 WCIX	6 FL 1229
25 tr 0455	WCCU 27 IL 138	1252 WPBT	2 FL 1229	1800 KPRC	2 TX 890

New station WCCU-27, Urbana, Illinois is on early with ID slide. Good DX target. New station WFWA-39, Fort Wayne, Indiana is a public TV station; not commercial as I stated last time. Twenty four hour religious station, WWTO-35, in LaSalle, Illinois went off the air from 0000-0005 on a Wednesday morning for transmitter adjustments. I have five minutes per week to DX! I drove by their impressive new tower recently. Their antenna is mounted on the southeast side of the tower - not on the top. Twenty four hour station WQAD-8 was off for a while recently around 2300 CDT. For the first time in 25 years, I got to watch surrounding channel 8's. Storms were in the area.

I had an extensive E skip opening on April 28. I logged three Cubans, channels 3, 5 and 6, with the same strange Russian test pattern. They all came in intermittently for two hours, channel 6 being the strongest. I saw the same pattern on channel 3 last October 8 at 1635 CDT. They must run these patterns all afternoon. The May issue of "Money" magazine has a short article on Russian TV with the same test pattern in the background. Hence my conclusion as to their origin.

A comment on my last report - why did I count W51AF in LaSalle as two stations? Originally they were an LPTV with some local programming, including weather, news, and sports. They then went off for six months. They came back on as a translator of religious station WCFC-38, Chicago. A completely different operation which would indicate a change in ownership. They undoubtedly are using the same transmission facilities as I receive the same weak signal. I've never run into this situation before. It would be nice to see the rules in the VUD again. There have been lots of changes recently in stations. How are others going to count this one? I try to abide by the rules. I've seen them shut this translator off at 2300 CDT, even though WCFC-38 is on longer.

(Bill, with regard to station counting of translator/LPTV's, I don't think that a standard has been developed yet. That might be a good subject of discussion for this summer's convention. My personal opinion is that an LPTV or a translator flip-flopping between local origination and translation of a broadcast signal is not significant enough to warrant counting of a new station. However, I believe it is proper and customary to count a new station when a channel goes dark and comes back later as a new operation, even with the same physical facilities. I would certainly count W51AF twice if a change of ownership has taken place. Comments? fm)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

April 1987

14 tr 1958	KRWF 43 MN 175	3 Es 1900 KFDX	3 TX 900	3 Es 2200 WREG	3 TN 885
		(MUF 106.1-1921 to TX)		6 Es?0605 unid ch 2	
		1913 KOCot 5 OK		8 Es 1129 WSB	2 GA 1115
May 1987		(MUF 107.9-1952 to TX)		1130 KOET	3 OK 810
3 Es 1859	KXAS 5 TX 985	2016 KJRH	2 OK 750	10 Es 1145 &WMAB	2 MS 1015

NORTHERN FM-DX

Joseph Fela
150 Robert Place
So. Plainfield, N.J. 07080
1-201-755-3852

JUNE 1987

Deadline: 8th of the month

The DX season has finally arrived. The first FM Es opening occurred here in the northeast on April 27th. A number of minor TV openings followed and there was also some brief FM Es again on May 3rd. There has also been some resurgence in tropo but the rainy and cold weather in late April and early May (at least in the Mid-Atlantic and New England regions) has brought conditions back down to near winter-time levels.

Before we get to this months reports, perhaps I should mention that unless otherwise indicated in the report, all times are ELT. Underlined stations denote new catches for the reporter while stations in brackets - such as {WWRX} - indicates the station was logged under a new set of call letters. And to make everything clear, the preferred form of reporting is as follows;

MONTH/YEAR (e.g. MAY 1987)

DATE and PROPAGATION (e.g. 11 Es - Es for E skip, Tr for Trop, MS for Meteor Scatter, GW for Ground Wave, and Au for Auroral scatter.)

TIME CALL FREQ CITY COMMENTS MILEAGE (optional)

STATE/PROV.

1400 WEGX 106.1 PA Philadelphia, "EAGLE 106", r 106

I encourage reporters to list slogans, such as "Eagle 106" when heard, especially in these times when call letters are commonly either never used or mis-used. The "r", next to "EAGLE 106", stands for the format, rock. It is suggested that the same format abbreviations used in the FM ATLAS also be used in this column. Of course there is nothing wrong with more specifically defining a station's format in your report if you feel the abbreviation covering that format in the FM ATLAS is too broad.

Now that the suggested reporting standards have been defined, here are this months reports:

FRED NORDQUIST - 7945 BOXFORD ROAD - CLAY, NEW YORK - 13041

(ELT)

Equipment: Receiver - Carver TX-11A

Antenna - Channel Master Stereo Probe 9 at 30 ft. AGL.

DECEMBER 1986

7 Tr

1707 WSTW 93.7 DE Wilmington 276

2125 WNCE 101.3 PA Lancaster, "NICE FM-101" 214

2148 WETA 90.9 DC Washington, cl mx 296

9 MS

0058 WFFX 95.7 AL Tusculumbia, ID

(Previous via Es) 924

0131 WLTS 105.3 LA Slidell, ID, (prev. Es) 1166

9 Tr

0159 WCLW 105.3 OH Mansfield, ID, talknet 367

2312 WVAQ 101.9 WV Morgantown, ID 312

13 MS

1259 WAUS 90.1 MI Berrien Springs, ID

(Previous via Tr) 526

13 Tr

1620 WLWQ 96.3 OH Columbus, "QFM96" 418

19 GW

2306 WSCP 101.7 NY Pulaski, k 29

21 Tr

2038 WCVT 89.7 MD Towson, basketball 259

28 MS

2240 WOCL 105.9 FL Orlando, "CLASS FM",

wx, (7 seconds!) 1016

JANUARY 1987

18 Tr

1720 CIUT 89.5 ON Toronto, "Curtain Call" 167

MARCH 1987

1 Tr

1707 WLER 97.7 PA Butler, "MAGIC TRACK FM" 249

2 MS

2251 WIXD 104.1 AL Atmore, local annct. 1044

MARCH 1987

16 Tr

2049 CIDC 103.5 ON Orangeville, r, 206

testing

APRIL 1987

5 GW

2021 WLLG 99.3 NY Lowville,

"99.3 FM STEREO" with bad audio-

oldies-non IDer. 55

27 Es to FL

MUF to 108+ at 1858 tune-in, faded out 2000

1858 WDIZ 100.3 FL Orlando, b 1050

1905 WCRU 89.7 FL Miami, g programs

(New calls? -jf) 1222

1907 WXEL 90.7 FL W. Palm Beach, asking

for donations 1156

1917 WRCC 103.9 FL Cape Coral, ID 1192

1920 WCAC 105.5 FL Sebring,

"AC105 ELECTRIC FM" 1121

1925 WHEW 101.9 FL Ft. Myers, k

"COUNTRY 102" 1187

1929 WSSP 104.1 FL Coral Gables,

(Cocoa Beach - jf)

"WHISPER 102" 1224

1930 WHYI 100.7 FL Ft. Lauderdale, "Y-100"

r, o/WEZG-100.9 ACI .5 mile away!

Format change: WBEE-92.5 (ex-WMJQ) now k,

"STEREO COUNTRY-92FM".

Station still off the air: WITU-103.5

Cobleskill, NY

Totals now at 1267. Most wanted stations

(<100 miles) are still NY: WONY-90.9; WRHO-

89.7;

->->-> CONTINUED ->->->

Fred Nordquist's report continues....
WCDO-100.9 (I can't find them, either - only WKLI/WQIX/WEZG to the N/NW - jf); WALF-89.7;
WIGS-95.3; WBTF-101.7; and WUCI-91.5. PA: WNTN-89.5. Stations believed not on are:
WFRW-90.7; CBOB-100.3; CBBA-104.9; and CBBB-94.3 73-Fred

KURT RICHARDSON - 23 BEVELL LANE - N. SYRACUSE, N.Y. - 13212
Equipment: Heathkit AR-15 Receiver
Antenna - Archer 10 element Stereo Supreme antenna, twin lead used as
a downlead, the antenna mounted 55 ft. above ground.

MARCH 1987

20 MS
2238 WCTS 100.3 MN Minneapolis
"..thirty two degrees. The state
forecast for Minnesota..." 875
29 GW
0800 WSPK 104.7 NY Poughkeepsie
(Local WKFM-104.7 off air.) 160

APRIL 1987

6 Tr
2123 WRKY 103.5 OH Steubenville 320
2129 WQHT 103.5 NY New York 195
2211 WHLM 106.5 PA Bloomsburg 155
2219 WEGX 106.1 PA Philadelphia 230
2239 WAYZ 101.5 PA Waynesboro 245
2250 WKYE 95.5 PA Johnstown 255

WCTS is the third station I have identified
via Meteor Scatter, but only the first which
has responded back. More lists to come in
the future.

I am new to the WTFDA, and therefore this is
my first entry for your Northern FM DX
column. I have been DXing the FM band for
seven years now, and have book upon book of
QSLs to prove it. Sincerely, Kurt.

(Welcome to the club and column, Kurt. We
hope you will become a regular reporter -jf)

MIKE HOGAN - 13910 CHIPPEWA AVENUE - BURNHAM, IL. - 60633

Equipment: Sony STRAV-460, Archer Rabbit Ears w/Magnum tunable antenna amplifier
JUNE 1986
1 Es
1400 WUWF 88.1 FL Pensacola, wxcast, ID
1630 KRSD 88.1 SD Sioux Falls, carrying
of all things MN Public Radio Network
1730 KSQY 95.1 SD Deadwood, ID as "K-SKY",
for all practical purposes, this
station became a pest for 2 hours.
1740 KQSK 97.5 NE Chadron, many local
spots, ID, also called itself "Q-98"

JUNE 1, 1986 continued...
1742 KDLY 97.5 WY Lander, NXcast with
mentions of town and ID included
1750 KNEB 94.1 NE Scottsbluff, ID, mention
of COUNTRY 94 and many local spots
1906 KBYU 88.9 UT Provo. Nxs with Ken
Carlson then into symphony.

COMMENTS: The above loggings represent one of the best days ever for Es loggings. Not since
1982 or 1983 have I noted an opening of this intensity and duration. My thanks to Bruce
Elving for his assistance in the ID of KRSD. Now that the new DX season is upon us, let's
hope it is a good one for all. 73's.

DAVE NIEMAN - AKRON, NEW YORK - 14001-9529

Equipment: Carver TX-11, Channel Master SP9 with RG-11 coax at 25' AGL (815' ASL)
Rotatable. New stations are underlined.

APRIL 1987

2 MS
1016 KROA 95.7 NE Grand Island, g\$
(heard often w/religious programs) 1034
WEBF-95.7 Olean, NY was off the air for
several days. Heard daily on tropo scatter
were: WLHT Grand Rapids, MI (GRAND RAPIDS
W-LITE), r\$
WPTW Piqua, OH, b\$ (Cincinnati Reds BB)
WFLN Philadelphia, PA, c\$
4 MS
0900 KWWR 95.7 MO Mexico, \$
Call + "COUNTRY 96" 753
5 Tr
1700 WFLO 95.7 VA Farmville, ID 394
1738 WKSS 95.7 CT Hartford, r\$
Call + "95.7 KISS-FM" 305

APRIL 1987

8 Tr, GW
0053 WGNA 107.7 NY Albany, call, k, \$
(WBYP off) 234
0846 WEBF 95.7 NY Olean, ID, b, \$
(Back on with very low power) 61

APRIL 1987

20 GW
0020 W288AL 105.5 NY Dunkirk
(translating CKNX 101.7 Wingham, ON r\$) 62
29 GW
1010 CJEZ?? 97.3 ON Toronto, \$
(testing - no ID) 64
30 Tr
0912 WFYC 104.9 MI Alma, call, m 315
Local WBYP-107.7 off for several hours.
0919 WSNJ 107.7 NJ Bridgeton, call \$
phone-in talk show 301
0924 WGTY 107.7 PA Gettysburg, call,k,\$ 225
0930 WGNA 107.7 NY Albany, call, k, \$ 234
0941 WHSB 107.7 MI Alpena, r\$, "HSB" 288
1353 WWSN 107.7 OH Dayton, call, r\$, wx 374

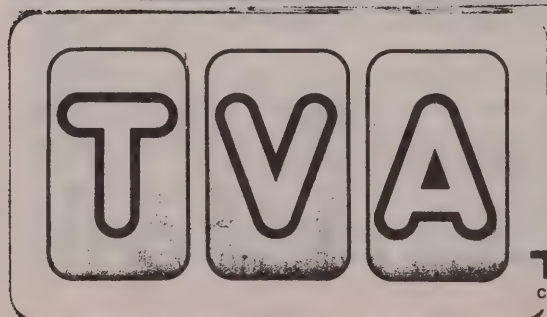
Dave

WESM-91.3 ADDRESS
DXers seeking a QSL from this new station
should write: Bruce Worton
WESM - University of MD
Backbone Road
Princess Anne, MD 21853

Thomas J. Yingling, jr.
221 Pinewood Road
Baltimore, MD 21222-2345
Phone * 1-301-282-5649

TV & FM QSLs

MN WCTS 100.3 Minneapolis, 2105 Fremont Ave. North, zip 55411. Letter from Dennis Whitehead in 4 days for meteor scatter skip. (Richardson)
NY WSPK 104.7 Poughkeepsie, X Command Broadcasting Group, Radio Center, 475 South Ave., Beacon, NY 12505. Letter back from David Rozek, Dir. of Eng. & bumper-stickers too. (Richardson)
OK KTVI 4 Oklahoma City, P. O. Box 14068, zip 73113. Letter back from Fred W. Heineman, CE in 31 days. (Broomall)
KY WBKO 13 Bowling Green, P. O. Box 1198, zip 42101. Letter from David L. Chunley, Dir. of Eng. in 5 days who says no dx reports in a long, long time, & this is the first via rabbit ears reception. (Broomall)
IL WICD 15 Champaign, P. O. Box 3750, zip 61821. Letter from David A. Boyer, CE in 14 days, also send coverage map. (Broomall)
AL WDHN 18 Dothan, P. O. Box 6237, zip 61821. Letter from Dan E. Billings, CE in 4 days. (Broomall)
AL WCOV 20 Montgomery, P. O. Box 2505, zip 36196. Letter from Philip B. Witt, CE in 5 days. My report was first in a year. (Broomall)
GA WJSP 28 Varn Springs, Rt. 1, Box 17, zip 31830. A 2 page letter from John H. Davis, Eng who is also a tv, fm, sw, & am dzer who invites dzers to visit the station. (Broomall)
GA WTSG 31 Albany, P. O. Box 4050, zip 31708. Letter from Tony B. Gainois, CE in 3 days. (Broomall)
GA WNEG 32 Toccoa, P. O. Box 907, zip 30577. Letter from Roy E. Gaines, GM in 17 days. (Broomall)
TN WHTN 39 Murfreesboro, 111 W. College, zip 37130. A 2 pager letter from Neal Griggs, CE in 10 days. (Broomall)
SC WAXA 40 Anderson, P. O. Box 40, zip 29622-40. Letter from Les Waters, CE in 8 days. (Broomall)
OH WCET 48 Cincinnati, 1223 Central Parkway, zip 45214. Letter from Edward K. Middleton, Dir. of Eng. (Broomall)
AL WTSP 60 Springfield, P. O. Box 60, zip 35146. Letter from Ray Vice, CE in 17 days who says he has been interested in dxing, but had not heard of WTFDA. (Broomall)
MO KZKC 62 Kansas City, 2111 Blue Summit Dr., zip 64126. Letter from Rick G. Morris, CE who send 20 pages of promo material! (Broomall)
SC WOLO 25 Columbia, 5807 Shakespeare Rd., P. O. Box 4217, zip 29240. Letter from Don Jones, CE, who says he's had twice the usual number of dx reports this year, reply in 6 days. (Combs)
FL WTHV 32 Lakeland, P. O. Box 32000, zip 33802-92000 (!). Letter, coverage-map, & bumper stickers from Bill Brister, CE in 6 days. (Combs)
GA WLTZ 38 Columbus, P. O. Box 12289, zip 31995. Letter, pens, & a shoe polisher (I kid you not!) from Bob Walton, VP/GM in 6 days. (Combs)
FL WFLX 29 West Palm Beach, 4130 Blue Heron Blvd., zip 33404-4897. Letter from Angelo Figuerella, CE in 4 days. Mentions that my local WAVA-30 is there sister station. (Combs)



TÉLÉ MÉTROPOLE INC.
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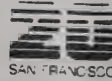
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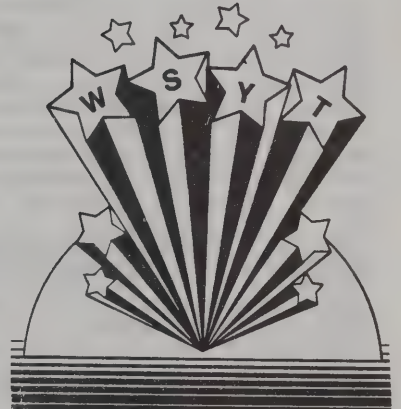
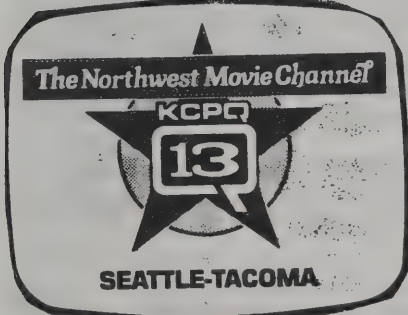
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SE7EN
 WNEVTV



WGTV-TV/WGTQ-TV
 Traverse City/Cadillac/Sault



Here's the list of logos used this month: On the first page is a copy of a bumper stickers from CFTM 10 Montreal PQ & the TVA Network. Page 2 are: WMAR 2 Baltimore MD, WCSC 5 Charleston SC, WVTV 13 Milwaukee WI, KTVU 9 Oklahoma City OK, CFMT 47 as MTV Toronto ON, KING 5 Seattle WA, WNEV 7 Boston MA, KPOM 24 Ft. Smith AR, KLJB (?) any ideals ?, KOFY 20 San Francisco CA, KTTV 11 Los Angeles CA, WGTU 29 Traverse City & WGTQ 8 Sault Ste. Marie MI, KCPC 13 Seattle WA, WHBQ 13 Memphis TN, WTCN 11 now is KARE-TV Minneapolis MN, KSL 5 Salt Lake City UT, KMSP 9 Minneapolis MN, CFCF 12 Montreal PQ, WSYT 45 Sychenectady NY (?), WGGT 48 Greensboro NC, WPIX 11 New York NY, WJKA 26 Wilmington NC. For the qrl section the reporters are Kurt Richardson of North Syracuse, NY; John Broomall of Kennesaw, GA (2 new reporters Thanks) & John Combs of Jacksonville, FL. Just a short note now on how to report items to this column. Just send anything! Yes a post card will do fine. I do not need items reported on 3 by 5 index cards, as a letter will do just as well. Send in xerox copies of qrl & logos are fine as long as it is a good copy. Don't send any copy that is too light to reproduced when I send in my column. Some copies I have received I had to use a marker pen to make darker.



73' 7/27/77

SOUTHERN · FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

June 1987

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KA, KY, LA, ME, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & VA. Also DC.

Congratulations to Keith Pugh, of Alabama, for improving his DX system by putting up a Probe 9 and just in time to hear nearly 900 mi. trop in from Texas on 4/11, his best, so far for trop. The new antenna also worked nice for the 4/28 Es. Meantime, it seems that the new season is having some difficulty getting off the ground for others, judging from the other reports or lack of them. Despite its expense and large size the Probe 9 should be benefiting more DXers, including the ones restricted to indoor antennas. One DXer I know of got 1000 mi. trop some years back with 1/2 of a Probe 9 used indoors (the antenna comes in two sections) and this not even during the great 1980 tropes. Meantime, I'm still looking for my first 1000 mi. FM trop.

The March Anarc Update did well to observe the lack of informative articles for FM-TV DXers in magazines like Popular Communications and Monitoring Times. I suspect these magazines would like to be as broadbased as their titles might imply, but must concentrate on what their writers send in. A reflection of this can be found in the "Making Waves" column of Monitoring Times. That column has been headlined as a AM,TV,FM DX column, but in reality the author only considers FM and TV DX as mere interruptions to his favorite--AM DXing. Consequently, most, maybe all, columns cover AM, with maybe brief mention of FM,TV DX happenings at the end. To correct this problem, experienced FM,TV DXers ought to try submitting articles or proposal for columns to the above mentioned magazines. There does seem to be a shortage of interested writers for our hobby, and it's high time our hobby got better representation in the DX media.

From not being a big city dweller and having a bias for FM, I find it ridiculous the comments in Bruce Elving's column about AM radio being poised for a comeback. So far, it appears those who think AM has a bright future are from big city areas. Yes, it must be quite nice to have a bunch of AM locals that likely stay steady and clear when the sun sets. In contrast to that, the small city where I live has no night time AM's. In fact, there are almost no very clear Oklahoma AM signals to be found on the dial except for KV00 of Tulsa. To get relief from all the bad night time AM reception, it's necessary to escape to the clarity of FM, which keeps sounding better on my car FM as all the Oklahoma City and most of the Tulsa commercial FM's have changed to towers of around 1000' or better. Perhaps what AM stations need for help to a brighter future are translators to serve nearby cities not covered by night time patterns.

Keith Pugh, 227 Martin St. New Hope, AL 35760

Equipt: J.C. Penny #3921, 18 db amp, Archer 6 el. at 30' (replaced with Stereo Probe 9 on April 7th at 30'). (with CM rotor also)

3/24 gm (on car stereo)		4/11 tr	
1423 W292?? 106.3 AL Huntsville	18	2237 KRRQ 98.1 TX Larado, rm, ads	895
WBQM trans.		2242 KKBQ 92.9 TX Pasadena, r, MD	619
3/28 tr (w/6 element)		2247 unID 107.5 rp	
1001 W253AA 98.5 AL Birmingham	70	2304 KLOL 101.1 TX Houston, rp, ID	
WBQM trans.		2317 unID 107.9 soul	
1013 WACT 105.5 AL Tuscaloosa, k, ID	109	2325 KASE 100.7 TX Austin, k, "Case 101"	710
1014 W288?? 105.5 AL Birmingham		2334 KLBj 93.7 TX Austin, rp, ID	
WRSa 96.9 trans.		2354 KESI 106.7 TX Terrell Hills, wx--San Angelo, rp	760
3/7 tr (&/Probe 9)		0003 KOOI 106.5 TX Jacksonville, b, ID	520
1001 WWMG 96.1 NC Shelby, r, ID	275	0008 unID 94.7 k, "94-7 FM" "central TX"	
"Magic 96"		0039 KRVS 88.7 LA Lafayette, p, ID	450
1033 WDMG 99.5 GA Douglas, ID	292	0041 KTSU 90.9 TX Houston, prev. Es	
1051 WRUL 97.3 IL Carmi, ID		0045 KODat 99.1 TX Houston, b	
1142 WCGV 91.7 GA Cartersville, g, ID	89	0050 unID 104.1 "Power 104", r	
4/9 tr		0058 KEYI 103.3 TX San Marcos, r, ID	725
1005 WKKG 101.5 IN Columbus, k, ID	310	0059 KSEBj 88.1 TX Humble, g, ID	602
4/11 tr		0100 KUT 90.5 TX Austin, ID	
1100 WLAP 94.5 KY Lexington, r, wx	255	0109 KTXx 92.1 TX Devine, "big-Tex", ID	810
2125 KSTE 93.9 TX Corpus Christi, ID	800	0121 WTUL 91.5 LA New Orleans, p, ID	388
prev. Es		0235 KVNE 89.5 TX Tyler, g, ID	
2132 KQID 93.1 LA Alexandria, ID	425	0240 WBSN 89.1 LA New Orleans, g ID	
2148 KLTR 93.7 TX Houston, "K-Lite"	620	0301 KYKX 105.1 TX Lufkin, r, ID	525
2212 KFMkt 97.9 TX "		0321 WCKX 107.9 ?? "Power 108", r Where??	
2214 KHCB 105.7 TX ", g, ID		0323 KSMG 105.3 TX Seguin, r, wx	725
2223 KJYY 94.5 TX ", "Joy-95", oldies		"Magic 105 FM"	
2234 KIKK 95.7 TX ", k, ID		0324 KYKX 105.7 TX Longview, k, ID	495
2235 KOYEt 94.9 TX Larado, //KJYY			

cont.

SOUTHERN FM DX

Pugh, cont.

JUNE 1987

4/12 tr
0328 KISS 99.5 TX San Antonio, ID 765
4/22 tr 153
2221 WAPX 91.7 TN Clarksville, r, 91 Plus
4/23 tr
0006 WKKU 88.9 KY Richmond, s/off 240
0100 WNAZ 89.1 TN Nashville, g, ID 115
ms
1002 WOUB 91.3 OH Athens, "...91.3 Athens,
a broadcast service of Ohio University..
4/28 Es
1147 KOCYt 91.3 TX Odessa 935
1151 KPER 95.7 NM Hobbs, k, ads 960
1153 KVRP 95.5 TX Haskell, k, ID

4/28 Es
1154 KZOR 94.1 NM Hobbs, r, ads
1200 KMTH 98.7 NM Maljamar, ID 990
1200 KZILt 102.5 TX Lubbock, r
1201 KBIM 94.9 NM Roswell, ads 1022
1207 KORQ 100.7 TX Abilene, ID
1211 KTXT 88.1 TX Lubbock, k,
"93-7 Kick-FM"
1213 KRLB 99.5 TX Lubbock, ID
1214 KFMxt 94.5 TX Lubbock
1215 KLUR 99.9 TX Wichita Falls, ID
1219 f/out

The trop opening on April 11th started all at once out of thin air! I had been trying out the Probe 9 that day during very dead conditions and later on heard a weak rock station on 93.9, which came out of the west. At first I thought maybe KWFM West Plains, MO. But ID said KSTE Corpus Christi! Signal strength grew rapidly to five LED's and was the beginning of the best trop event I've received, so far. The new Probe 9 really helped pull in may of the ID's though. Worked nice with the E-skip, too. MUF on April 28 was 103.9 at 1216 but quick drop below FM by 1219. 73. GUD DX!!

Bill Townshend, 4500 Connecticut Ave NW #901, Washington, DC 20008

4/15 tr
1100 WIOQ 102.1 PA Philadelphia, r Q-102
4/16 tr
0802 WNVZ 104.5 VA Norfolk, r
(Realistic Portavision-40 12-648)

4/27 tr
0811 WRAL 101.5 NC Raleigh 240
0813 WESR 103.3 VA Onancock
0818 WMGK 102.9 PA Philadelphia, "Magic-103"
0822 WSUX 98.3 DE Seaford

Matt Sittel, 220 Brookfield Dr., Kingsport, TN 37663

Equip: Sony STR-AV 340 receiver, CM 1160 Quantum antenna at 34' AGL(1453' MSL)

4/4 gw, tr? car \$
1536 WLWK 96.9 NC Statesville, K97FM 102
1542 WSTS 96.5 NC Laurinburg, ad 204
WXCC 96.5 WV Williamson, ad
+ nice ID at 1900 from WLWK 92.9

4/18 tr, gw? car \$
1858 WLXV 95.5 GA Savannah, I-95, ads for
Hilton Head 308
1906 WRDV 106.1 NC Wilson, calls 167

4/5 tr, gw?
0903 WKZL 107.5 NC Winston-Salem 130
1355 WRAL 101.5 NC Raleigh 219
1404 WKHX 101.5 GA Marietta, WQUT off 205

4/26 tr
0904 Nashville! 92.9, 96.3, 103.3, 105.9 246
0910 Chattanooga 92.3, 96.5, 100.7, 106.5 186
0930 WCLC 103.1 TN Jamestown 130
0936 WMBW 88.9 TN Chattanooga, calls 186
0942 Winston-Salem 93.1, 107.5 130
0944 WXLK 92.3 VA Roanoke 158
hourly ID heard at 1000!

4/7 ms
1525 unID 104.3 AC music
4/11 tr
2329 WKZL 107.5 NC Winston-Salem 130
4/15 tr
1945 WMIX 93.1 NC Winston-Salem 130

4/28 tr
1623 WMBW 88.9 TN Chattanooga 186
2133 WVLK 92.9 KY Lexington, k 162

DX has been fair lately--13" snow(3rd biggest ever)knocked out locals WXBQ & WQUT on 4th & 5th--fantastic! Car \$ has done wonders, too, especially 4/18. Nashville finally returned in force(the last time was the incredible Thanksgiving tropes-11/29/86!)and another xltr mistake, too! E-skip has come close lately to reaching FM, hope you've got FM Es in right now! Best DX to all. 146/2's.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 CST

June 11, 1986 provided the best 144-MHz Es events since June & July of 1983! A really exhausting first 3+ weeks of the month. Mercifully, things went into a substantial lull for the Jun 27-28 period of the actual festivities for my 20-yr. High School Reunion!
6/18 Es (cont. from last month) 1752 WLKC 93.5 GA St. Marys, KC-93 1020

1004 WYFL 92.5 NC Henderson, nx ID 1255
1005 WXLkt 92.3 VA Roanoke, r 1195
1009 very little on TV!
1012 WFDD 88.5 NC Winston-Salem, psa 1150
1029 WRVL 88.3 VA Lynchburg, g, ID 1235
1034 WAMU 88.5 DC Washington, phone # 1385
several others from DC area
1143 apx f/out

and 6 others t from FL
1940 WMNft 88.5 FL Tampa, j 985
and 7 others from FL t
2000 WCMQ 92.3 FL Hialeah, SS, area ad 1150
2004 apx f/out

6/20 Es
1130-1132 unIDs to 93.5(lull to 1157 & f/out)
1749 WQIK 99.1 FL Jacksonville, ID 1015
1752 WTNT 94.9 FL Tallahassee, ad, k 855

6/25 Es(18, mostly t, from OH, IN, MI)
1342 WYSut 88.5 OH Youngstown, c 1275
1346 WBKR 92.5 KY Owensboro, local ad 865
1406 CJOM 88.7 ON Windsor, area psa 1230
1437 WVIC 94.9 MI East Lansing, area ad 1195
6/29 tr
2354 WRBht 88.3 LA New Orleans 510

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183
Reader response requested!

JUNE 6, 1957 Vol 4 #6 - "Plan to Attend the Grand AIPA Convention in Speedway, Indiana." Everyone to gather at Larry Vehorn's 3-car garage July 6-7. Features include TV DX movies, local C.E.s, possibly John Winegard and a catered dinner for \$1! Other front page info: George Palmer, Australia, reports 420-mile short-skip of Sydney TV plus 10 American two-way services on 43 mhz. Write FCC to save 11 meter ham band from Citizens Radio Service.

TECH NOTES - LOW BAND LOCALS, Part 1 (Schafer) - A local is any station that can't be taken out by ground wave on a given day. High rigs are taboo for logging skip over locals; 30' or less is best. Taco 1840B Silver Star is more directional than Winegard Colorceptor. Use 300 ohm foam core lead, Amphenol 114-328 arrester and #6 or #8 copper or aluminum wire. Use lengths of old garden hose to keep guy wire from touching lead. Place antenna where locals are the weakest and everything else normal.

FCC NEWS (Collins) - Military doesn't really want chs 2-6. CJIC-2, Ontario will test for AIPA on 6-16. FCC granting ch 2 to San Francisco; 7 to Corvallis, OR; 9 to Sheridan, WY; 10 drop in to Tampa; and 29 to Buffalo. KGEO-5 OK on new 1385' tower, WLBR-15 PA returns to air, WHTN-13 WV and WCHS-8 WV on their new 1000' towers. Fewer applications and grants since channels are getting crowded (!!)

RANK COLUMN (Frank Hill) - Two pages of verie signers, station schedules, and news. TV lists only printed quarterly. AIPA stationery/envelopes for \$1.25 per hundred. Bob Cooper's Radio Electronics articles a boost toward goal of 500 member. Suggested new member pamphlet of terms and definitions.

INTERNATIONAL DX (Gordon Simkin) - New column. Hal Glick, NWT, Canada reported ch 2-6 skip. Doris Johnson, WA, reported possible double hop or F2 to Central/South America on May 2 and 6. Tips for tuning European TV channels.

AIPA TV DX RECORDS (June 1, 1957) - call/channel, distance, DXer/location: SKIP PRG3-2 6000 Cooper, CA; PRF3-3 5184 Brown, AR; KULA-4 3750 Lupton, IL; LRI-5 5502, Brown, AR; KOIN-6 2240 Seybold, NY; KWVL-7 1475 Brown AR; KZTV-8 1585 Burch AR; CMGQ-9 1465 Sparks, TX; WCAU-10 885 Bettersworth, MS; KTTV-11 1610 Rauch, IL; 12 none; KTVW-13 1658 Rauch, IL; UHF MS WICS 571 Seybold, NY.

TROPS KMID-2 1270 Richmond, FL; KDAL-3 756 Hill, OH; WRCA-4 821 Rauch, IL; KRGV-5 Weems, MS; WDSM-6 752 Hill, OH; WHIO-7 1052 Becker, Manitoba; WFAA-8 1179 Seybold, NY; CMGQ-9 1058 Brown, AR; KROC-10 692 Collins, NY; KGUL-11 1275 Seybold, NY; KTVH-12 1012 Seybold, NY; WIBW-13 894 Seybold, NY; UHF WGBS 750 Weems, MS. **MOST:** Stations - 293 Seybold; States - Cooper (West) 37, Brown (Midwest) 43, Hill (East) 45; Countries - Brown 10/2 continents, Cooper 9/3 continents; foreign stations - 43 Brown; photo verifications - Seybold 193. [Which have been topped by 1987?]

EQUIPMENT TABULATION - 61 DXers reported receiver used, booster, antenna-height, greatest distance daily VHF/UHF, number of local. Some of top DXers included: Bob Seybold, NY Zenith 17" 1953, RCA 21" 1953, Stromberg Carlson 21" 1955; Masco Super Sky Chief; Winegard CL-4X, Taco 1840B, CM rotor, Taco 3040 12-bow UHF, 60' tower; 20/40 miles; 7/2 locals. William Eckberg, IL Coronado 21" 1955, CM BB yagi, twin corner reflector, CDR AR-2 rotor; 40'; 203/56 miles; 3 V; Bob Cooper Tech Master Gold Medal 21" 1957, Benco Super 40 BB booster, Winegard 2-bay Superceptor, Walsco 12-bay bowtie, Alliance U98 rotor; 90'; 340/165 miles; 1/3 locals.

EASTERN (Seybold and **WESTERN DX** (new editor, Johnson) occupied 6 crowded pages (12 loggings per line), plus 2 pages for MS, with a total of 58 DXers reporting. Most successful: Ed Bourgeois, LA with 65 loggings reported, Clarence Rareshide, LA, with 81, Bob Seybold, 66 with totals of nearly 300. Suggestion that low band stations be compiled by test pattern, hours; also King Schafer suggests fall-winter writeups on how members got started in TV DXing.

NOTE FROM 1987 - Would you like to borrow old AIPA Bulletins and see everything from the past without condensation, or editing - just write!

F E A T U R E S
F E A T U R E S
F E A T U R E S
F E A T U R E S

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183

F L A S H ! ! LAST MINUTE INFORMATION ! NEW STATION !

Attention Southeastern DXers — turn to channel 53 for a new logging! WFLI-53; Cleveland, Tennessee, has been broadcasting movies and local programs 24-hour-a-day since late May with 1.3 megawatts from a 1,000 tower (HAAT 1980). Jeff Gregory, C.E., is an Extra Class ham; he wants to receive DX reports and will QSL rapidly. Write: Route 1, Box 72; McDonald, Tennessee.

Studios and tower are located at Cohotta, Georgia (near Chattanooga), on the state line at N34° 55' 59" and W84° 58' 31". WFLI-53 is exactly 175 miles (minimum allowed by FCC) from WKGB-53 in Bowling Green, KY. The station first transmitted a test signal at noon, May 7, and was logged the next day by your feature editor who called the station and received the first QSL.

W67BD, LPTV in Chattanooga, TN, changed format in May for third time this year — from America's Value Network to RCN, Rock Christian Network. Only IDs hourly using character generator and apparently doesn't QSL.

TRINITY BROADCASTING NETWORK, Box A, Santa Ana, CA 92711 - This 24-hour-a-day network claims to be the "fastest growing network in the nation." It contains 18 "full-power" stations and 60 low or medium power outlets. Write for schedule. Most stations are licensed to TBN; affiliates are starred *.

KTBO-14 Oklahoma City, OK; KTAJ-16* St. Joseph/Kansas City, MO; -17* Bartlesville-Tulsa, OK; WDLI-17 Canton/Akron, OH; KTBW-20 Seattle/Tacoma, WA; KPAZ-21 Phoenix, AZ; KNAT-23 Albuquerque, NM; KITU-34 Beaumont, TX; WWTO-35* Chicago/LaSalle, IL; KTBN-40 Santa Ana/Los Angeles, CA; WKOI-43 Richmond, IN; KLUJ-44 Harlingen, TX; WHFT-45 Miami, FL; -45 Boise, ID; WTBV-54 Poughkeepsie-New York City; -55 Bakersfield, CA; -57 Denver, CO, KDTW-58 Dallas, TX; WTJP-60* Birmingham/Gadsden, AL; WLXI-61 Winston Salem-Greensboro, NC; -68 Charlotte, NC. LPTVs in Aderdeen, WA; Carlsbad, NM; Manhattan, KS; Salina, KS; Lakeview, OR; Lincoln, NB; Cresaptown, MD; Bend, OR, Coos Bay, OR; Ottumwa, IA; Biloxi, MS; Minneapolis, MN; Utica, NY; Columbia, MO; Williamsport, PA; Columbus, MS; Olean, NY; and Dover, DE.

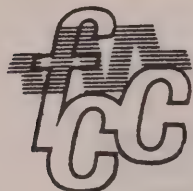
TBN holds 26 more construction permits including ch 14 Houston, TX. Overseas stations include channel 13 in West Indies (second most powerful in world), 21 in Guatamala, 25 in South Africa, and 44 in Italy.

MINI-PROFILES - We hope to have indepth feature on some of our best known DX members. However, our little known members are also important:

David Shapiro is a college student; he lives in Griffin, Georgia, 40 miles South of Atlanta and 60 miles North of Macon. He uses a b&w portable TV with rabbit ears and a small FM receiver. David has been a member of WWTFDA for several years but has not reported because the crowded TV and FM bands have limited his DX greatly. Es never gets through WSB-2, Atlanta. Only channels 3, 4, 7, and 10 are open at all and on those channels he receives WRBL-3 GA, WCIQ-7 AL, WSPA-7 SC, and WALB-10 GA (UHF is wide open.) David loves to DX and during summer break he is looking for "some rare goodies."

Dr. James S. Snow is an osteopathic physician and surgeon in Darien, Georgia, a coastal town midway between Savannah and Jacksonville. He has been a DXer since the early 50s with his greatest interest in shortwave with TV DX next and no FM. Most of his TV DX is during his travels throughout the United States and in Central America.

QUESTIONS OF THE MONTH - How can **VUD** and the WTFDA be improved? How do you like "TV DX 30 Years Ago"? Should any of the ideas of the past be re-instituted? Do you use a VCR? If so, tell us: Make and Format? Number of local and DX IDs on tape? Will you loan your ID tape (original or duplicate)? Do you have a camera for video letters?



KCC FM NEWS

Bruce F. Elving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

New Station, Translator Grants

AL Birmingham *89.5 100 watts vertical polarization only, 205 meters, \$, g, Family Stations, Inc.

AZ Phoenix *88.3 25000 watts horizontal, 100000 watts vertical, 268 m, \$, g, Family Stations, Inc.

AZ Phoenix *88.3 25000 h, 100000 v; 268 m, National Farm Workers Service Center—these two stations to share time

AR Barling 94.5 3000 h,v; 59 m

AR Little Rock K249CR 97.7 (KAKI 107.1 Benton) [Valley Com'ty. Bcstrs.

CA Chico *90.1 6300 h,v; 179 m, Golden/CA Leggett K265CO 100.9 (KEKA-FM 101.5 Eureka) [91.9 Santa Rosa)

CA San Rafael K205BM *88.9 (KCLB/CA Susanville K249CS 97.7 (KVIP-FM 98.1 Redding)

FL Palm City (Stuart suburb) *89.9 100000 h,v; 55 m, g, National Christian Network

IN Michigan City WFAJ *89.5 650 h,v; 134 m, g, Faith Ed. Fou. [g, Ed. Bcstg. Fou.

KY Somerset WTHL *90.5 20000 h,v; 180 m./LA Lake Charles K213AZ *90.5 (KRV5 88.7 Lafayette)

MI Kingsford 98.9 1800 h,v; 124 m

MI Saugatuck 92.7/2200 h,v; 118 m, to be r[ock] [Pequot Lakes)

MN Pierz K244CZ *96.7 (KTIG 100.1/

MO Columbia K276DI 103.1 (KMFC 92.1 Centralia) [107.9 Spokane WA)

MT Thompson Falls K212AD *90.3 (KMBI-FM/NE Hastings 98.1 100000 h,v; 390 m

NY Kingston *90.9 940 h,v; 460 m, WAMC, Inc. [Hill Broadcasting

NY Webster *89.3 1000 h,v; 23 m, g, Mars/OH Lancaster *90.9 200 watts vertical only; 68 m, g, Ed. Bcstg. Fou.

OR Reedsport 92.1 3000 h,v; 78 m

PA Summerdale *91.7 250 h,v; -10 m, Central PA Business School

SD Pierre K276DH 103.1 (KEZV 101.1 Spearfish) [100 m

TX Denver City KDNC 107.1 3000 h,v; TX Nacogdoches K280DE 103.9 (KWKH-FM 94.5 Shreveport LA) [Centerville)

UT Bountiful K221CZ 92.1 (KCGI 105.5/

WA Bellingham K213BA *90.5 (KUOW 94.9 Seattle)

BC Victoria 100.3 100000 h,v; \$, rp, "Q-100-FM," call letters not assigned

NF Hopedale LB, frequency unknown, 3000 watts horizontal, ethnic format, native languages

ON Bracebridge Class A frequency to be determined for a Group I format station

ON Brockville 103.7, \$, 50000 h,v; CFJR

ON Huntsville Class B frequency to be determined; to simulcast with CFBK over a 6-month "phasing-in" period

Call Letters Assigned

AL Andalusia 104.7 WAAO-FM

AL Cordova 92.9 WFFN (from WARF-FM)

AL Muscle Shoals *89.9 WQPR (WBTD)

AK Homer 103.5 KGTL (KGTL-FM)

AK Juneau 100.7 KDEV

AZ Payson 101.1 KFSZ

AR Pine Bluff 94.9 KZLR-FM (KZLR)

CA Fort Bragg 97.7 KSAY

CA Grover City 107.1 KOSZ (from KLOI)

CO Rifle 105.3 KWWS-FM (KDBL-FM)

FL Crestview *90.1 WTJT

FL Englewood *91.3 WSEB

FL Fort Myers *91.5 WSCA

FL Gretna 100.7 WGWG

FL Lakeland *91.9 WHAN

FL Key West 92.5 WEOW (WFYN)

FL Trenton 101.7 WCWB"-FM"

GA Athens *88.9 WPBS

GA Sparta 97.7 WDJJ

HI Honolulu 99.5 KAGB

ID New Plymouth 93.1 KIZN"-FM" (KIZN-FM)

ID Wallace 100.7 KINW

IN Delphi 102.9 WJBZ

KS Girard 101.1 KFRB

KS Goodland 102.5 KB0C, to be g

ME Mexico 100.7 WTBM

MA Amherst 100.9 WHCI

MI Atlanta 92.5 WAIR (WWKY)

MI Jackson 94.1 WIBM-FM (WIBM)

MI Mio 103.9 WDCP

MI Pinconning 100.9 WFXZ (WBUK)

MN Tracy 105.1 KARL

MS Holly Springs *88.1 WURC

MS Macon 100.5 WMXG

MO Owensville 95.3 KWCC

NV Carson City 98.1 KBUL (KNSS)

NM Roswell 97.1 KBCQ (KCKN)

NM Thoreau 99.9 KMCC

NY Canajoharie *93.3 WCAN

NY Rochester 92.5 WBEE-FM (WBBF); AM is in Harvey IL; no nonID, format change to k[ountry]

NC Columbia 105.7 WWOK (WRSF)

NC Hendersonville 102.5 WMYI (WKGL), r

NC Manteo 98.3 WZZI

NC Spindale *88.7 WNCW

ND Dickinson *89.9 KDPR

OH Cleveland 107.9 WPHR (WDMT), "Power-108," sr

OR Portland *88.3 KBVM

PA Greensburg 107.1 WSSZ (WOKU-FM)

PA Jersey Shore 97.7 WYRS (WEUZ)

SC Beaufort *88.7 WAGP

TN Jackson 103.1 WMMX"-FM" (WRJX)

TX Corpus Christi 96.5 KLTG (KIOU)

TX Dimmitt 95.9 KDUI

TX Eastland 97.7 KEAS-FM, to be \$, k

TX El Paso 97.5 KBNA-FM (KBNA)

TX Fort Worth 94.1 KOJO (KSSA)

TX Georgetown 96.5 (from 96.7) KQFX (from KGTN-FM); changes to 28500 h,v; 199 m

TX Harker Heights 105.5 KIXS, changes to 1700 h,v; 116 m

TX Lubbock 93.7 KKIK (KSEL-FM)

WI Racine 100.7 WHBT-FM (WHBT), "Heart-beat," not strict

PR Hormigueros 92.1 WBOZ-FM (WGIT); AM is in Sabana Grande PR

NB Moncton 103.1 CJMO"-FM," "Rock-103," rp, expected Stereo operation

Facilities Changes Granted

AL Anniston WHMA-FM 100.5 348 m (100000 h,v), transmitter Coldwater Peak, near Anniston, not giving primary coverage into Birmingham

AL Birmingham W269AO 101.7 having WAHR 99.1 Huntsville on it, not WACT-FM 105.5 Tuscaloosa [104.9)

AK Homer K237CL *95.3 (from K285AM/

AZ Sunflower K224BN 92.7 to carry KKJJ 103.9 Payson, not KDKB 93.3 Mesa

CA Bakersfield KKXX 107.9 5800 h,v; 414 m

CA Mojave KAVS 97.7 91 m (3000 h,v)

CA Santa Rosa KVRE 101.7 260 h,v; 340 m

CA South Lake Tahoe KTHO-FM 102.9 1000 h,v; 852 m [100000 h,v)

FL Big Pine Key WWUS 104.7 132 m; FL Orlando WDIZ 100.3 362 m (100000 h,v)

FL Stuart WRIT 92.7 100 m (3000 h,v)

FL Tampa WUSA-FM 100.7 183 m (100000)

HI Lihue KQMG-FM 95.3 80 m (3000 h,v)

IN Angola WEXA *88.3 1000 h,v; 44 m

IA Newton KLVN 95.9 adds vertical, 2500 h,v; 108 m

KY Paris WCOZ 96.7 1450 h,v; 143 m

KY Somerset WSEK 96.7 100 m (3000 h,v)

LA Alexandria KQID 93.1 464 m (100000 h,v)

LA Dry Prong KVDP *89.1 3000 h,v; 63 m

ME Farmington WUMF *100.5 15 watts h; minus 83 meters [directional, 150 m

MD Catonsville WQSR 105.7 50000 h,v; MD Salisbury WLWV 105.5 2100 h,v (117 m)

MA Haverhill WLYT 92.5 25000 h,v (216 m)

MA Marshfield WATD-FM 95.9 92800 h,v; 105 m

MI Cadillac WEVZ 96.7 1700 h,v; 135 m

MI Houghton Lake WJGS 98.5 299 m (100000 h, 25000 v)

MS Fulton WFTA 101.9 (from 101.7) 50000 h,v; 146 m [100000 h,v)

MO Ste. Genevieve KSGM-FM 105.7 420 m/

MT Hardin KBSR-FM 95.5 (from 95.3) 95400 h,v; 300 m, \$, fm format

NE Beatrice KMAZ 92.9 100000 h,v; 247 m

NV Las Vegas KEYV 93.1 24300 h,v; 1136 m

NH Concord WJYY 105.5 1550 h,v; 139 m

NH Nashua W212AF *90.3 (from W243AA 96.5)

NH Rochester WCYT 96.7 100 m (3000 h,v)

NJ Ocean City WSLT 106.3 95 m (3000 h,v)

NM Bayard KNFT-FM 102.9 (from 92.7) 29000 h,v; 491 m

NY Canton WVNC 96.7 70 m (3000 h,v) [m)

NY Cherry Valley WJIV 101.9 8900 h,v (329/

NY Pulaski WSCP-FM 101.7 2500 h,v; 111 m

NC Elizabeth City WKJX 96.7 86 m (3000 h,v)

OH Bellefontaine WTDQ 98.3 1400 h,v; 142 m

OH Gallipolis WYPC 101.5 50000 h,v; 150 m

OH Portsmouth W202AI *88.3 (from W208AB 89.5)

OH Toledo WOTL *90.3 1150 h,v; 110 m

OK Seminole KSLE 105.5 2350 h,v; 112 m

PA Bradford WBRR 100.1 (from 98.3) 970 h,v; 163 m

PA Johnstown WGLU 92.1 300 h,v (317 m)

PA Milton WOEZ 100.9 640 h,v; 210 m

TX Alpine KALP 92.7 82 m (3000 h,v)

TX Brownsville KTXF 100.3 412 m (100000 h,v) [227 m, \$, b

TX Tye KTLC 99.7 (from 99.3) 100000 h,v; VA Martinsville WMVA-FM 96.3 391 m (100000 h,v)

WI Mauston WRJC-FM 92.1 980 h,v; 172 m

WI Ripon WYUR-FM 96.1 (from 95.9)

Format Changes

AK Anchorage KKRG 100.5 rm, "adult contemporary"

CA Santa Cruz KLR5 99.1 jm, "jazz with music from the hearts of space"

CA Visalia KSEQ 97.1 rm, "love songs"

FL Coral Gables WHQT 105.1 sr, still "Hot 105," now 25% r, 75% soul

GA Augusta WFXA 103.1 s, "Foxy-103"

GA Louisville WPEH-FM 92.1 k, monaural

GA Wrens WRDW-FM 96.7 sr, "The Power Station"

ME Gorham WMPG *90.9 jp

MA Boston WMRQ 103.3 r, "your reporting of WMRQ going to a jr format are greatly exaggerated. They run this type of format

FCC-**FM**

only 10 hours a week, 11 p.m. to 1 a. m., M-F. The rest of the week is strictly rock."

MI Iron River WKBF-FM 99.3 r (from k)

MN Minneapolis WYLL 93.7 b, no longer bj

MS Gulfport WXL 107.1 r, "Light 107"

MS Heidelberg WEEZ 99.3 mr, "Z-99"

MT Belgrade KGVW-FM 96.7 g

OH Akron WAPS r, "modern rock," still mono, and still goes off air at 8:30 p. m., "and probably will not be on the air this summer"

OH Cleveland WDOK 102.1 mr, (from b)

PA Harrisburg WHP-FM 97.3 rm (from b), "Light 97.3"

SC Aiken WJFX-FM 95.9 rp, "96-JFX"

SC Johnston WKSY 92.7 r,

SC Saint Andrews WWFX 102.3 rp, not known if stereo

TN Franklin WWRB 100.1 "Rebel 100," r,

TN Murfreesboro WTMG 96.3 r, "classic hits," still "Magic-96," with live announcers

TX Farwell KLZK 98.3 mr

TX Gilmer KAEZ 95.3 rm

UT Salt Lake City KLTQ 93.3 r (oldies)

WA Seattle KEZX-FM 98.9 rj

WA Spokane KQSP 98.9 rp, "album rock"

WV Wheeling WZMM 107.5 r (CHR), "Z-107"

WI Algoma WOMA 96.5 mr, \$

WI Green Bay WGBW *91.5 tj, Wisconsin Public Radio affiliate

WI Milwaukee WYMS *88.9 j

WUWM *89.7 c

WI Oconto WOCO-FM 107.1 m, \$

WI Shawano WOWN 99.3 m, \$, heard on car radio in secondary area with poor reception, due to station's lacking vertical polarization

WI Sturgeon Bay WSBW 100.1 m

AB Edmonton CKXM 100.3 r (from b), "Super Music 100"

BC Squamish CISQ 98.3 and Whistler CISW 102.1 and translators, r, "very upbeat adult contemporary. Because of the very mountainous-coastal terrain, all stations broadcast in mono," non ID is "Mountain FM."

See also May VUD for:

KS Hill City KZNA *90.5 does relay KANZ *91.1 (not 91.5) Garden City [Pierceville KS] (Hood, p. 31)

MD Princess Anne WESM *91.3 noted rock programming; format probably rs (Fela, p. 33)

RI Westerly WWRX 103.7 103.7-WRX nonID (Hood and Nollman, p. 31)

Mystery Stations

Not shown in '87 Broadcasting Yearbook, but shown on Dataworld/FCC lists. Your help in confirming if any of them operate will be appreciated

KY Bowling Green WKEM *91.7, listed by FCC as cp (construction permit)

LA De Ridder KROK 92.1, FCC lists as licensed (Yearbook lists 101.7 as KROK; calls there are KEAZ)

MT Billings KRER *88.9, FCC lists as licensed

NV Battle Mountain KLME *88.1, FCC lists as applying for *92.1

NH Manchester WANH *90.7, St. Anselm's College, FCC lists as cp

NJ Whippany WHPH *90.5, FCC lists as licensed. Several of these are carryovers from last year's BY. Curiously, WAED *90.9 Huntsville AL appears on both lists, so it lives (at least on paper)! Brought back to BY is WCEB *91.9 Corning NY, a 10-watter.

NonIDs, Not Just Slogans

CA San Bernardino KOLA 99.9 Triple 9 FM

CA San Francisco KLOK-FM 103.7 back to Clock (not strict)

FL Fort Lauderdale WJQY 106.7 Joy-107

GA Atlanta WSB-FM 98.5 B-98.5-FM, still r

GA Augusta WGUS-FM 102.3 US 102 FM, k

KY Murray WAAW 103.7 Double A 103.7, presumed strict

NY Owego WQXT 101.7 Q-102

SC Aiken WNEZ 99.3 (to move to 99.5) Easy-99

TN Chattanooga WDEF-FM 92.3 Easy-92, b

WV Wheeling WEEL-FM 97.3 Wheel-FM

AB Calgary CHFM 95.9 Music 96

CKRY 105.1 Country-105

Stereo, Or to Be Stereo

FL Homestead WRFM 95.7, format not divulged, but said to be coming on the air within a month. In order to do this, WPOW 96.3 Miami has moved to 96.5, and WKSY 96.7 Jupiter must move to 107.1. WKSY said to be "off the air," and its plans to move to 107.1 seem indefinite

FL Key West WKRY 93.5 assumed stereo

GA Athens WUGA *91.3

PA Whitteville WLIH 107.1

Off the Air or Not Yet On

FL Key West WQZN 98.7

FL Marco WAVV 101.1

PA Muncy WTPS 103.9 off "about two months so far," affects 1 translator

WI Green Bay WGBW *90.1

VIRTUALLY OFF THE AIR

NY Olean WEBF 95.7 very low power, having transmitter problems, "must be running only on their exciter"

NC North Wilkesboro WKBC-FM 97.3 forced off air due to ice buildup on the tower, causing the tower to collapse. "They are mono only, with much lower power. It will be a while" before they are back up to full power and height.

On the Air

SC Clearwater WCNA 98.3, \$, b, "Cozy-98"

TX Fort Worth-Dallas KSCS 96.3 and KZEW 97.9 back to full power after an incident with a plane crashing into their tower

Deletions

All of these either dismissed applications for extension of time to build, or dismissed applications for CP to replace expired permits

AZ Flagstaff KHIM *91.1	OR Pendleton
AZ Prescott KEPT *90.7	KOSJ *89.9
ID Boise KIEF *88.5	SD Aberdeen
ID Lewiston KMJO *90.3	KCTL *90.1
ID Payette KZRW *91.5	SD Mitchell
ID Sandpoint KGTB *90.1	KCTJ *90.7
ID Twin Falls KZRT *91.7	SD Rapid City
MT Bozeman KMEA *91.1	KTGS *88.5
MT Butte KMTT *90.5	SD Watertown
MT Great Falls KCMF *91.9	KLFT *91.9
OK Shawnee KCJC *91.3	SD Yankton
OK Vinita KEJC *91.5	KIEO *90.7
TX Borger KJOB *91.9	
VA Charlottesville W269AR 101.7	

Readers' Reports

"The SCA works quite well in my Montgomery Ward boom box... I'm breaking the law by listening to that? Hal" writes a DXer-correspondent.

Frank Aden says KHEZ 103.3 Caldwell (see "Call Letters" next month) has a semi-beautiful music format, Stereo. "You could say the station is ex-KLCL, but really is not as they have all new equipment, studios, owners and personnel. Bill Frahm reports they are using the 3 kw transmitter on Deer Point." Frank sent an article on KKUL 1410 AM Portland OR embracing jazz, competing as a daytimer with the fulltime stereo signal of KMHD *89.1 Gresham. And rim-shot status is now possible for WXYQ 105.1 Salem OR, locating its tower from a site giving it good coverage into Portland. It will

June, 1987

have both a Portland and a Salem studio.

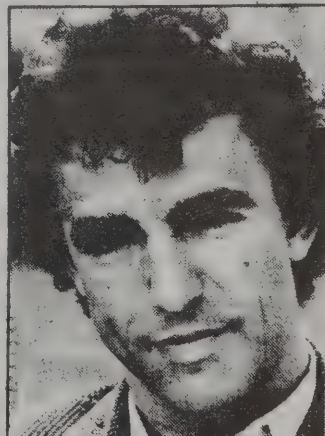
Dave Nieman says the MN WTFDA convention is possible for him; "if I can make it, I'll drive." Nick Lombardi sent an article on the new ownership and challenges facing Muzak, published in *Insight* (published by "The Washington Times"), illustrating that Muzak is hated by the avant-garde in composing and art, its use in industry ("reduced absenteeism by 88 percent"), and even in national security (astronauts have heard it; it was in the Nixon White House, but not in Reagan's). Nick admonishes: "I assume you will advise us all when your deadline for FM Atlas-11 draws near. I didn't realize it was only 'a few months' away."

Al Ellis, who is trying to get a schematic for his Magnum/Dynalab tuner, says 89.5 CIUT Toronto "does put in a heavy signal here 65 miles away" in Brantford. He writes that he is going on 84, in good health, except for having had cataracts and glaucoma taken care of, "I am lucky to be able to see at all." The Magnum tuner was reviewed in the May, 1987, *Stereo Review*, and John Ebeling sent a copy. "It doesn't delve into the performance aspects of the tuner very well, but it may be somewhat informative."

WTPS 103.9 Muncy PA, off air (see above) and its Loyalsock translator "seem to have gone belly up, while their AM station is still going strong, reincarnated as WBUG, 'The Bug', in Hughesville PA," writes William O. Dickerman.

LA's KTWV 94.7, "The Wave," format in place only a few weeks, got a 1.9 rating in the market, up .3% from the previous 12-week survey. "While Wave boosters call it 'the first new music radio format in 18 years', its critics dismiss it as 'lifeless, dentist-chair Muzak.'" Thanks to the Davises in Mission Viejo for this. Paul Swearingen sent an article on KCSN *88.5 Northridge moving to a new 52-watt transmitter and 646 meter antenna at the Lupe Canyon electronic site, which will make its signal accessible in the Santa Clarita Valley and stronger in the San Fernando valley.

W. R. McIntosh sent the "Radio Today" advertising supplement to the L. A. Times, which had a few logos in it, and an article on how the FCC is cracking down on radio indecency. See my editorial in "FMedia!" on the subject. Mc comments: "Wonder who rattled the FCC's cage? I thought they were asleep or dead, except for paper pushing." LA's version of Howard Stern is Jay Thomas, KPWR, "Power 106." Like Stern, Thomas employs sexual innuendo and ethnic insult as part of his humor, but admits: "I'm dishwasher compared



Jay Thomas: "The shock radio style is being served by this."

to Stern's kind of stuff." The station that "stepped over the line," according to KPWR, is

KPFK *90.7 Los Angeles, with Larry Poland, 47, pastor of Trinity Church in Redlands the one who complained to the FCC. "When I heard the initial f--- word and I heard them describing sex acts with males and females, oral and anal intercourse and street language, I frankly didn't care about redeeming social value," he said. The KPFK broadcast wasn't "even marginal" when it came to obscenity and he promised to help take the FCC referral of his complaint all the way to the Supreme Court, if necessary. Meanwhile, Pacifica is suing the FCC in the hopes of heading off a costly battle for license renewal of its stations, which it really fears.

McClatchy newspapers are getting out of the radio business, planning to sell KAER Sacramento, KNAX Fresno and their AM affiliates. Its Reno and Modesto stations were sold in 1983.

On air in Canada: CIDC 103.5 Orangeville ON, in stereo, and CJEZ 97.3 Toronto. Ben R. Wilkie sent an article from the Toronto Star about upheavals in local radio, caused mainly by CJEZ 97.3 coming on the air, with an "EZ" slogan but when pronouncing call letters it will be Cee Jay Ee Zed. Article fails to mention whether or not CJEZed has stereo. Because of CJEZ, CKFM and CHFI have switched music to appeal to a "younger, harder and tougher" audience. [CKFM now rm?] Ben's local station, WQML York Center ME 95.3, should be on the air around Memorial Day, with "The Greatest Hits of All Time." Studios to be in the old WAVI AM Portsmouth NH shell (which went off the air in Feb.), but they hope to revive the AM eventually.

Glenn Hauser mentions that, even though WPOW Miami has switched to 96.5, his local WRFM Homestead is still only testing in stereo and with tone and music, but no regular schedule.

When skip or tropo come in, check the formats, nonID practices and stereo status of the stations you pick up, and report to this column or the DXing columns.

Correct calls, May VUD, p. 21, Sittel. NC Winston-Salem 93.1 is WMQX-FM, not "WMIX."

COME TO THE WTFDA CONVENTION JULY 31 to August 2, 1987

Place: Esko MN—Home of FM Atlas—Publishing and Electronics. Much of the convention activity will be centered on our 35-acre property and 6-year-old house [built to include a church] located east of Cloquet MN, in Carlton County. Events will take place in our "Great Room," the sunporch, garage, and possibly the nearby Community Center, which we have reserved. The Community Center includes gymnasium and meeting rooms.

Time: Plan to arrive any time on Friday, July 31, by plane, car, bus or boat—all roads lead to Duluth. There will be a kick-off catered meal that Friday evening and a full day of activity Saturday, Aug. 1. Here's a chance to meet other DXers and renew friendships. Sessions Sunday include the club's business meeting, and your chance to help shape club policies.

Accommodations: We've reserved a block of rooms at each of two motels nearby. The choices are: Scot Wood Motel in Cloquet MN, just seven miles from the convention site. Rates \$27.90 single, \$36.90 two people, two beds; \$39.95 for four people, two beds. Write them at Highway 33 and Big Lake Road, Cloquet MN 55720; (800) 426-7070. The other motel is Spirit Motor Inn, and that is in the direction of Duluth, also about seven miles from us. Their prices are \$28.00 one person one bed; \$32.00 two people two beds; \$36.00 for three people two beds; \$40 for four people. Write them at 9315 West Gate Blvd., Duluth MN 55810; (218) 628-3691. Note: these prices are slightly changed from what we announced last month. Camping is possible on our property, but we have no porta-johns, and access to our house during the night will not be possible.

It is very necessary to have reservations in early! This area is quite a tourist place, and there are no rooms available if one just shows up expecting to find motels or hotels (although one poorer-quality hotel said they do often have vacancies, and we can refer late-comers there). You can write or call either of these motels and reserve your room. Tell them it is for the WTFDA convention, and use our name (Elving).

What to do: This area of northern Minnesota offers something for everyone. There is DX to be found, unique scenery, and we're close to Canada, and two national parks, Voyageur's and Isle Royale (MI). Plan to make a vacation trip along with the convention activities.

Tentative convention activities (see last month's VUD, p. 23), plus a discussion of the ECPA, and how to tempt the enforcers with some creative listening and technical exploration; bring your tuner for side-by-side comparison tests or for modification (time permitting).

REGISTRATION. The registration fee of \$30—which can be sent in any time now—we will need to know how many to plan for. This includes the sessions, a chance to get in on the flea market, refreshments as well as Friday and Saturday night meals. Meals can be purchased separately if there are family members who just want to attend one or both of the meals. Both motels are located near family-type restaurants. Because of a problem at the convention last year, we will not accept personal checks by mail or in person after July 15. Bring cash or travelers' cheques. Canadians bring coins, not currency. Stores here do not discount for Canadian coins, especially when mixed with American coins.

Family members will be most welcome, and we'll have the usual tourist and Chamber of Commerce stuff available. Northern Minnesota can be delightfully cool in the summer, so plan to tuck a jacket, sweater or sweatshirt along.

For those driving from OH and eastward it is better to go through MI, taking the Mackinac Bridge, and over U.S. 2, MI 77 and MI 28 to Marquette, rejoin 2 at Wakefield and straight west to Duluth; this will involve less distance and less expense in road tolls than going around Chicago. However, you may want to drive mainly through states that have raised their Interstate freeway speeds to 65 mph by that time. If you need a ride, let us know and we will try to find someone for you to ride with, sharing expenses. Check here if you need a ride and are willing to share expenses with somebody else: _____ . USE THIS COUPON, or copy it:

I (we) are coming to the WTFDA convention in Esko MN.

Name or Names _____

Address _____

Phone _____ How many in party? _____

Planned day and time of arrival: _____. Mention any special equipment you will have along, or that you'd like us to try to supply: _____

Method of transportation and if you need a ride from Duluth airport or Cloquet bus station _____

If driving, can you offer a ride to another DXer, sharing expenses? _____ [If so, mention route you will be taking]

TELEVISION NEWS

Bill Fahber, editor
336 Atlantic Street
Bridgeton, NJ, 08302

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	HAAT	CITY/APPLICANT
AL	60	5000	757	Gadsden; Overview Communications Ltd.
AL	34	5000	315	Ozark; Skyway Television Ltd.
AL	22	1	315	Tuskegee; Hefty Communications Ltd.
AK	33	1445	551	Anchorage; Alaska 33 Inc.
AK	33	5000	98	Anchorage; Echonet Corporation
AK	33	1805	475	Anchorage; Eclipse Broadcasting Group
AK	33	316	601	Anchorage; HCPA Inc.
AZ	3	1.8	-178	Douglas; Garcia Communications
AZ	9	3.5	945	Flagstaff; Carl M. Fisher
AZ	9	10	1093	Flagstaff; Overview Communications Ltd.
CA	7	316	252	El Centro; Garcia Communications Ltd.
CA	51	15.8	268	Merced; Wade Axell
CA	51	50	1984	Merced; Media Investment Corporation
CA	61	17.5	320	Porterville; Garcia Communications Ltd.
CA	31	50	-254	Twentynine Palms; John Michael Bosquez
CO	12	1.5	400	Lamar; Carl M. Fisher
CO	25	10	-26	Longmont; John R. Powley
FL	66	5000	734	Bradenton; Channel 66 of Bradenton Inc.
FL	64	20	200	Destiny; Airwave Media Ltd.
FL	64	15.8	287	Destiny; Sharon S. Smith
FL	64	513	246	Destiny; William F. Parrish Jr.
FL	35	5000	450	Fort Walton Beach; Clement S. Ross
FL	35	15.8	287	Fort Walton Beach; Jerome Swain
FL	22	716	500	Key West; Conch Republic Television Inc.
FL	22	1122	312	Key West; Hartke Communications Corporation
FL	22	5000	571	Key West; Penny Drucker
FL	45	n.c.	568	Leesburg; Palmetto Broadcasters Associated
FL	33	5000	924	Miami; Orbis Television Stations Ltd. Partnership
GA	21	5000	1545	Brunswick; DHA Broadcasting (amended)
GA	21	n.c.	n.c.	Brunswick; Steed Broadcasting (amended)
GA	21	n.c.	n.c.	Brunswick; Teesha Broadcasting Ltd. (amended)
GA	64	1350	565	Macon; Good News TV
GA	64	5000	1399	Macon; Thom E. Smith
GA	63	5000	443	Monroe; Monroe Television Inc. (amended)
GA	58	5000	1587	Perry; Perry Television Inc.
GA	58	75.6	326	Perry; Radio Perry Inc.
GA	58	5000	651	Perry; RSO Broadcasting
IL	59	39	1302	Peoria; Peoria Broadcasting Company
IL	48	5000	1028	Sparta; Rita Wyse
IN	58	107	393	Salem; J.R. Broadcasting
IA	48	5000	956	Cedar Rapids; Cedar Rapids Broadcasting
IA	48	5000	465	Cedar Rapids; Family Broadcasting Company
IA	39	10	324	Newton; Robin C. Brandt
IA	22	3357	820	Waterloo; Waterloo Television (amended)
KS	20	5000	185	Fort Scott; Courtney Jackson
KS	22	5000	765	Fort Scott; Family Broadcasting Company
KS	20	5000	185	Fort Scott; Hefty Communications Ltd.
KS	3	100	549	Lakin; Smokey Hills Public Television Corporation
KS	44	5000	578	Salina; Hefty Communications Ltd.
KS	33	1981	449	Wichita; Wichita Communications
KY	50	5000	590	Ashland; Video Image Productions Inc.
KY	44	1000	1972	Harlan; Living Faith Ministries Inc.
KY	57	5000	1187	Madisonville; Madisonville Media Inc.
KY	57	5000	365	Madisonville; Skyway Television Inc.
KY	48	5000	391	Owensboro; Teesha Broadcasting Ltd.
LA	62	5000	978	Hammond; Airwave Media Ltd.
LA	62	15.8	302	Hammond; Hammond Broadcasting Ltd.
LA	62	5000	1920	Hammond; Pontchartrain Broadcasting Co. Inc.
LA	21	1000	146	Minden; Carl M. Fisher
MI	18	1000	448	Jackson; Overview Communications Ltd.
MI	19	1000	526	Marquette; Marquette Television Associates
MI	19	1000	398	Marquette; Skyway Television
MI	19	1000	1041	Marquette; Upper Peninsula Telcasting Corporation
MN	32	60	989	St. James; Hubbard Broadcasting
MS	51	1000	1175	Jackson; Delta Television Ltd.
MS	51	5000	1443	Jackson; Jam Communications Inc.
MS	51	5000	1152	Jackson; Mississippi College
MS	18	20	305	Laurel; Carl M. Fisher
MS	35	22	315	Tupelo; Airwave Media Ltd.
MO	32	5000	870	Kansas City; James Holt Ltd. (amended)
MO	32	5000	1290	Kansas City; MBG Broadcasting Company (amended)
MO	32	n.c.	1039	Kansas City; Mid-Continental Communications Inc. (amended)
MO	32	5000	1058	Kansas City; T.V. 32 Inc. (amended)
MT	20	5000	1960	Billings; Echonet Corporation
MT	17	9	2494	Missoula; Robin C. Brandt
NE	12	30	313	McCook; Jerrell Kautz
NV	3	1	227	Ely; Mountlake Productions Inc.
NM	15	20	345	Farmington; San Juan College
NY	14	1000	1020	Bath; William H. Walker III
NY	48	94.2	478	Corning; Coyle Communications Ltd.
NY	43	10.3	2	Syracuse; Blockton Satellite Uplink Inc.
NY	43	84.7	2470	Syracuse; Christian Discerner Inc.
NC	4	20	190	Manteo; Airwave Media Ltd.
NC	4	1.8	197	Manteo; Carl M. Fisher
NC	4	31.6	251	Manteo; Shericom Four Inc.
NC	47	1510	356	Rocky Mount; East Carolina Communications
NC	47	1500	546	Rocky Mount; Family Broadcasting Enterprises
ND	27	1	214	Grand Forks; Archie Bishop
ND	7	201	811	Jamestown; Baxter Broadcasting Corporation
ND	7	316	159	Jamestown; Red River Broadcast Corporation
ND	7	1	207	Jamestown; Skyway Television
OK	40	1000	196	Duncan; Teesha Broadcasting Ltd.
OK	40	1000	196	Duncan; Steven Sparks
OK	31	10	455	Elk City; Airwave Media Ltd.
OK	20	141	445	Enid; G&D Communications
OK	45	5000	190	Grove; Mountlake Productions Ltd.
OK	9	1.5	268	Guyton; Carl M. Fisher
OR	30	288	127	Grants Pass; Freedom Communications Inc.
PA	64	150	1256	Scranton; Robin C. Brandt
PR	60	2250	776	Arecibo; Hector Negroni Cartagena (amended)
PR	60	2000	1618	Arecibo; The Children Television Media
PR	60	1000	226	Arecibo; Mountlake Productions
PR	46	1000	1374	Cidra; Ebenezzer Broadcasting Group Inc.
PR	34	50	2813	Fajardo; DeMarys DeJesus
PR	42	1000	265	San German; Freddie Gautier Broadcasting Company
PR	62	1000	2876	San Juan; Fundacion De Educacion Cristiana
SC	21	3000	1590	Florence; Albert D. Ervin
SC	63	5000	1512	Sunter; Channel 63 Ltd.
SC	63	5000	1781	Sunter; Fred McLaughlin
SC	63	5000	1188	Sunter; Sunter Television Inc.
SC	63	5000	1525	Sunter; Tantanount Communications Inc.
SD	36	5000	846	Sioux Falls; Biz-Com Inc. (amended)
SD	36	5000	373	Sioux Falls; Carl M. Fisher
SD	36	5000	229	Sioux Falls; Harlan L. Jacobsen
SD	36	3455	971	Sioux Falls; Kirkwood Broadcasting Inc.
TN	54	39	1222	Jellico; Pine Mountain Christian Broadcasting
TN	60	5000	213	Livingston; Teesha Broadcasting Ltd.
TN	41	1000	305	Union City; James Curtis Guthrie
TX	12	1	444	Alpine; Airwave Media Ltd.
TX	40	22.4	315	Crockett; Hefty Communications
TX	40	22.4	315	Crockett; Peggy Nicholson
TX	10	3.5	1263	Del Rio; Garcia Communications Ltd.
TX	2	100	602	Fredericksburg; Fredericksburg Channel 2
TX	2	6.16	516	Fredericksburg; Fredericksburg Community Television

TX 2 100 998 Fredericksburg; Frontier Southwest Broadcasting (amended)
 TX 2 100 1358 Fredericksburg; Hal S. Widsten (amended)
 TX 2 100 1500 Fredericksburg; International Broadcasting Network (amended)
 TX 2 100 494 Fredericksburg; Johnnie B. Woodberry
 TX 2 100 494 Fredericksburg; Mountlake Productions Inc.
 TX 2 100 377 Fredericksburg; John R. Powley (amended)
 TX 2 100 632 Fredericksburg; Stonewall Broadcasting Inc.
 TX 2 100 1500 Fredericksburg; Telemundo Group Inc.
 TX 2 100 1562 Fredericksburg; TexStar Communications
 TX 36 5000 312 Paris; Johnnie B. Woodberry
 TX 36 5000 312 Paris; Mountlake Productions Inc.
 TX 36 5000 312 Paris; The Yellow Rose of Texas
 TX 34 80 515 Waco; Central Texas College
 VA 44 5000 109 Danville; A.W. Broadcasting
 VA 44 5000 100 Danville; Danville Broadcasting
 VA 44 5000 96 Danville; Danville Communications
 VA 44 565 659 Danville; Freeman Borntrager
 VA 44 5000 107 Danville; Froggy Bottom Television
 VA 44 5000 100 Danville; Overview Communications Ltd.
 WA 39 5000 2000 Morton; Morton Broadcasting
 WA 34 10 1903 Spokane; Robin C. Brandt
 WA 56 5000 1872 Tacoma; Korean-American Missions Inc.
 WA 14 1000 1400 Walla Walla; Trident Broadcasting Inc.
 WV 29 5000 528 Charleston; Mountain Vista TV Company
 WV 29 1000 366 Charleston; Carl M. Fisher
 WV 29 5000 1491 Charleston; P.S.A. Inc.
 WV 29 1000 577 Charleston; Teesha Broadcasting Ltd.
 WV 66 300 338 Fairmont; Carl M. Fisher
 WV 60 1000 718 Martinsburg; Hefty Communications
 WV 60 1000 751 Martinsburg; M&D Broadcasting Ltd.
 WI 68 100 222 Fond du Lac; Church of Christ Ministry Inc.
 WI 57 93.4 579 Janesville; Blackhawk College
 WI 57 880 561 Janesville; Channel 57 Ltd. Partnership
 WI 57 600 473 Janesville; Harold Corporation
 WI 57 260 630 Janesville; Sonora S. Wray
 WI 55 1000 1000 Janesville; Tri-M Communications Ltd.
 WI 16 10.7 129 Manitowoc; Tony C.G. Hendley

APPLICATIONS RETURNED

AL Gadsden; ch. 40; Overview Communications Ltd.; The Yellow Rose of Texas.
 CA Porterville; ch. 61; Joaquin Correia.
 IA Waterloo; ch. 46; R.M.S. Broadcasting.
 KS Liberal; ch. 5; Calvin Ross.
 LA Hammond; ch. 62; Mack D. Blair.
 NV Goldfield; ch. 2; Courtney Jackson.
 NC High Point; ch. 67; Overview Communications; Steed Broadcasting.
 PR Arecibo; ch. 60; Mountlake Productions.
 TX Beaumont; ch. 21; Johnnie B. Woodberry; Mountlake Productions Inc.

APPLICATIONS DISMISSED

CA San Luis Obispo; ch. 33; Obispo Television; Pacific Television Ltd. (Review Board decision upholding initial decision)
 CA Santa Barbara; ch. 38; Mission Broadcasting Corporation; Solar Television. (initial decision)
 CA Novato; ch. 68; Magdalena Gunden; Marin TV Services Partners Ltd.
 CA Ventura; ch. 41; Buenavista Communications; California Minority Broadcasters Inc.; Robles Communications Inc.; Ventura 41 Television Associates.
 FL Bunnell; ch. 58; Bunnell Broadcasting Corporation; Glenda McLeod; Pollack Broadcasting Company.
 FL Fort Walton Beach; ch. 58; James H. Sharp.
 FL Jacksonville; ch. 49; Florida ETV of Duval County Inc.

FL Orlando; ch. 27; Marilyn J. Craig (failure to prosecute application); Suburban Broadcasting Ltd. (at its request); U.S. Communications Inc. (at its request).
 GA Brunswick; ch. 21; Steed Broadcasting; Teesha Broadcasting Ltd.
 ME Lewiston; ch. 35; Sebago Broadcasting Company. (Review Board decision upholding initial decision)
 MN Duluth; ch. 21; Greater Duluth Broadcasting.
 MS Jackson; ch. 51; Turner Broadcasting & Communications Systems.
 MO Kansas City; ch. 32; Vernice Booser; Overview Communications Ltd.
 NV Paradise; ch. 39; Puamehana Ltd. (at its request).
 NJ Burlington; ch. 48; Adelphi Broadcasting Corporation; Burlington 48 Inc.; Signal Ministries Inc. (FCC decision upholding Review Board decision)
 NC Jacksonville; ch. 35; James Capers Jr.
 NC Morehead City; ch. 8; Crystal Coast Communications Ltd. Partnership (by settlement agreement); Dr. James E. Carson; Morehead City TV Ltd. (by settlement agreement); Pine Cone Communications Limited Partnership; Wander Broadcasting of Morehead City.
 OH Toledo; ch. 40; Wade Mitchell.
 OK Tulsa; ch. 53; Tulsa Broadcasting Group Inc.; Tulsa Television Ltd. (initial decision)
 PR Bayamon; ch. 36; Tele Bayamon Broadcasting. (settlement agreement)
 PR San German; ch. 42; Jeadja Christian Broadcasting.
 TN Knoxville; ch. 15; Knoxville Community Broadcasting Inc. (inferior service and proposed programming); Lincoln Memorial University. (initial decision)
 TX Arlington; ch. 68; Arlington Minority Broadcasters; HRH Communications Inc. (at its request).
 TX Austin; ch. 54; ATV Associates Inc.; Capital City Community Interests Inc.; DB Broadcasting Inc.; Television 54 Corporation. (Review Board decision upholding initial decision)
 TX Fort Worth; ch. 52; Alden Television Inc.; Channel 52 Fort Worth TV Ltd.; Channel 52 Ltd. Partnership; Fort Worth Television Inc.; Nuevo Mundo Broadcasting Inc. (all by settlement agreement)
 TX Katy; ch. 51; Louise Brunson; Victory Media Inc. (Review Board decision, upholding initial decision)
 TX Longview; ch. 54; Etex Telemedia.
 TX Mineola; ch. 64; Wood County Broadcasting.
 TX Sonora; ch. 11; Joneco Broadcasting.
 VI Charlotte Amalie; ch. 43; Franklin D. Graham.
 VA Charlottesville; ch. 41; Shenandoah Valley Educational Television Corporation.
 WA Seattle; ch. 45; Seattle Channel 45 Broadcasting Inc. (Review Board decision upholding initial decision)

CONSTRUCTION PERMITS GRANTED

ST CH ERP HAAT CITY/APPLICANT
 CA 68 5000 1168 Novato; North Bay Television Inc. (initial decision)
 CA 33 100 1482 San Luis Obispo; Community Media Corporation (Review Board decision upholding initial decision)
 CA 38 2690 2878 Santa Barbara; Coast TV (initial decision)
 CA 41 5000 1596 Ventura; Costa de Oro Television Inc.
 HI 26 100 139 Hilo; Davilo Broadcasting
 HI 3 1 226 Lihue; Lavon Nicholson
 KS 18 238 633 Salina; Channel 24 Ltd. (KSAS-TV Wichita)
 KY 16 390 413 Somerset; WLTK (reinstated)
 LA 49 5000 1020 New Orleans; Crescent City Communications Co.
 ME 35 1000 1739 Lewiston; Kennebec Valley Television Inc.
 MN 21 960 590 Duluth; Robin C. Brandt
 NJ 48 2340 1100 Burlington; Brunson Communications Inc. (FCC decision, upholding Review Board decision)

NJ 66 5000 2000 West Milford; Family Stations Inc. (Summary decision)
 NY 56 5000 474 Syracuse; Susan K. Panisch (Summary decision)
 NC 35 1140 870 Jacksonville; Jacksonville Broadcasting Company
 NC 8 316 1965 Morehead City; Local Television Associates Inc.
 OK 44 2797 1251 Okmulgee; Brever Communications Inc.
 OK 53 3240 1790 Tulsa; Tulsa Television Ltd. (initial decision)
 PR 36 1480 895 Bayamon; Bayamon Christian Network
 TN 15 5000 1683 Knoxville; East Tennessee Public Communications Corporation (initial decision)
 TX 54 5000 807 Austin; Balcones Broadcasting Ltd. (Review Board decision, upholding initial decision)
 TX 52 5000 1093 Fort Worth; Interspan Communications
 TX 51 5000 975 Katy; Johnson Broadcasting (Review Board decision upholding initial decision)
 TX 54 5000 1616 Longview; Channel 54 Broadcasting Company
 TX 64 17.3 387 Mineola; Golden Communications Inc.
 TX 11 316 426 Sonora; Tower Broadcasting Corporation (summary decision)
 VI 43 100 1555 Charlotte Amalie; Broadcast International Inc.
 VA 41 250 1156 Charlottesville; Central Virginia ETV Corporation
 WA 45 5000 1289 Seattle; Allen E. Hom (Review Board decision upholding initial decision)

CONSTRUCTION PERMITS CANCELLED

HI Hiloi; ch. 20; KJML
 MI Bay City; ch. 61; WVC1
 MA New Bedford; ch. 28; WFDG
 MA Pittsfield; ch. 51; WVUW
 NE Lincoln; ch. 45; KLNK
 NE McCook; ch. 16; KJKL
 NY Jamestown; ch. 26; WNOD
 OK Norman; ch. 46; KSWR
 PA Scranton; ch. 64; WSWB-TV
 SC Florence; ch. 21; WSMF
 TI Fort Worth; ch. 31; KETE
 WI Sheboygan; ch. 28; WHBL-TV

CONSTRUCTION PERMIT RETURNED

WA Bellevue; ch. 33; Robert Gill Communications

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST CH ERP HAAT CITY/APPLICANT
 AZ 13 n.c. 1555 Flagstaff; KXTM
 CA 23 141 1636 Arcata; KREQ
 FL 61 1770 744 Gainesville; WGBZ
 FL 51 12 367 Marianna; WJOE
 FL 46 5000 1200 Naples; WNPL-TV
 GA 19 5000 1110 Albany; WTAU-TV
 HI 5 95.5 2063 Honolulu; KFVE
 IN 42 5000 1040 Bloomington; WCLJ
 KY 61 3000 1054 Owensboro; WROZ
 MN 42 2770 1176 Alexandria; KSAX
 MN 43 1220 547 Redwood Falls; KRWF
 MT 23 9 2504 Missoula; KGCL
 NE 45 339 387 Lincoln; KLNK
 OH 68 2500 1721 Mansfield; WCEO-TV
 RI 69 5000 1137 Block Island; WOST-TV
 TX 15 3499 1043 Abilene; KSUZ-TV (amended)
 TX 29 3160 1451 San Antonio; KYRT
 VI 17 48.8 1381 Charlotte Amalie; WVG1
 VI 27 10.3 975 Christiansted; WTFM-TV
 VA 69 n.c. 580 Fredericksburg; WRBV
 WI 58 650 797 Milwaukee; WDJT-TV

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST CH ERP HAAT CITY/APPLICANT
 CO 59 5000 308 Denver; Denver Channel 59 Partnership Ltd.
 FL 38 5000 1827 St. Petersburg; WTTA-TV
 IN 42 5000 1040 Bloomington; WCLJ
 IN 29 1480 775 Kokomo; WKWI-TV
 MI 64 1433 1000 Kalamazoo; WLLA
 MN 43 1220 547 Redwood Falls; KRWF
 MT 7 44.1 816 Bozeman; KCTZ
 NM 41 1170 4152 Albuquerque; KLUZ-TV
 NC 62 1553 227 Asheville; WASV-TV
 OH 53 5000 653 Chillicothe; WWAT
 OH 68 2500 1721 Mansfield; WCEO-TV
 PR 24 533 1963 San Juan; WSJM-TV
 TX 14 5000 1718 Llano; KLNO

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST CH ERP HAAT CITY/APPLICANT
 AL 32 1030 794 Montgomery; WKAB-TV (mp)
 FL 51 2073 1048 Fort Lauderdale; WSCV (cp)
 FL 11 316 1478 Fort Myers; WINK-TV (cp)
 FL 10 118 545 Miami; WPLG (cp)
 FL 28 2820 1546 Tampa; WFTS (cp)
 GA 18 3500 1854 Chatworth; WCLP-TV (cp)
 GA 14 3750 1248 Pelham; WABW-TV (cp)
 ID 4 56.6 2474 Boise; KAID (cp)
 ID 10 122 1527 Pocatello; KISU-TV (cp)
 IN 34 1360 919 South Bend; WNIT-TV (cp)
 KY 65 73.4 632 Beattyville; WLJC-TV (mp)
 MA 27 2301 1531 Worcester; WHLL (cp)
 MN 17 141 1300 St. Paul; KTCI-TV (cp)
 NY 12 214 1124 Binghamton; WBMG-TV (cp)
 ND 15 4150 1216 Fargo; KVRR (cp)
 SD 16 1349 1170 Aberdeen; KDSO-TV (cp)
 TN 20 14.8 159 Crossville; WINT-TV (mp)
 TN 24 3003 1011 Memphis; WPTY-TV (MP; amended)
 TX 28 1459 762 Corpus Christi; KORD (cp)
 WA 4 n.c. 1126 Seattle; KOMO (cp)
 WI 18 5000 986 Milwaukee; WMTV (mp)
 VT 33 1000 2674 Burlington; WETK (cp)

FACILITIES CHANGES GRANTED

(Note: since this word processor doesn't use symbols, "d-" is used to indicate degrees.)
 AL Montgomery; WKAB-TV, ch. 32; granted MP to change ERP from 1120 kw max/813 kw hor to 1030 kw max (which could be better or worse, depending on your direction from the tower); same TL; 794' AAT/729'AG/1016' ASL (33' lower than existing).
 CA Sacramento; KXTV, ch. 10; granted license to cover CP to raise ERP from 309 kw to 316 kw max; 1953' AAT/1960' AG/ 1960' ASL (412' higher ASL); coordinates 38d-14'24"/121d-30'03" (0.46 mile south of former TL; see KSCH-TV below).
 CA Stockton; KSCH-TV, ch. 58; granted CP to raise antenna height 576' to 1793' AAT/1800' AG/1800' ASL (which spells bad news if the full moon is at perigee around the winter solstice during a heavy storm); coordinates 38d-14'24"/121d-30'03" (This reads due north 0.50 mile; Sacramento stations KXTV-10 and KQVR-13 also recently proposed moving to the same tower; So did KVIE-6, but later changed to another proposed site.)
 FL Tampa; WFTS, ch. 28; granted CP to change ERP from 2950 kw max/2400 kw hor to 2820 kw max; 1546' AAT/1538' AG/1613' ASL (Presently 990' AAT); Coordinates 27d-50'32"/82d-15'46"; TL 5.5 mile north of Balm FL on WXFL(TV) & WPDS(FM) tower (coordinates don't exactly match WXFL; Az. 16 degrees, 1.9 miles from present TL). Not sure of exact increase in antenna height, since HAAT changes locally, so I can't say how DX would improve.
 FL Tampa; WXFL, ch. 8; granted CP to raise ERP from 302 kw ERP to

- 316 kw max (Data base from Larry Fuss already has it as 316 kw. An unreported amendment already in effect?); antenna raised 868' to 1930' AAT/1923' AG/1998' ASL; same TL; to change from horizontal to circular polarization. Should make for better DX.
- HI Wailuku; KMAU, ch. 12; granted CP to raise ERP from 30 kw to 52.2 kw; antenna height lowered about 54' to 5755' AAT/46' AG/9956' ASL. West Coast DXers shouldn't get their hopes up.
- ME Bangor; ch. 7; granted CP to raise ERP from 100 kw to 316 kw max; antenna height reduced about 600' to 819' AAT/137' AG/1134' ASL. This shouldn't change local coverage much, but the height reduction will make it difficult for DXers beyond the mountains stretching north to southwest of Bangor. New England coastal areas could benefit, however.
- MS Hattiesburg; WHLT-TV, ch. 22; recently went on the air and already granted a license. Assuming that means they were able to conform to the figures on their permit, I assume this modification represents a future change, and not as-built changes; granted MP to raise ERP from 676 kw to 1200 kw max; TL 4 miles NE of Petal MS on Lynn Ray Road; coordinates 31d-24'20.5"/89d-14'13.5" (0.2 mile south of coordinates given on former permit); 800' AAT/707' AG/1017' ASL (original CP called for 802' AAT).
- MO Kansas City; KCPT, ch. 19; granted license to cover CP to raise ERP from 1042 kw max to 1137.6 kw max. Same TL; same antenna height. WOW!!!
- NJ Wildwood; WMGM-TV, ch. 40; Presently licensed for 1660 kw ERP, but was reduced considerably about a year ago because of damage to the transmitter. It seemed to regain power a few months ago, but I'm not sure if it's back to full power. Station was granted CP to change to 740 kw max ERP (which might be what it's operating at now); 420' AAT/425' AG/430' ASL (if anything, about 20' higher).
- NM Albuquerque; KOAT-TV, ch. 7; granted license to cover CP for changes: ERP raised from 73.5 kw to 87.1 kw max; 4239' AAT/231' AG/10826' ASL (height reduced by 26', but at that height who's counting?)
- NC Roanoke Rapids; WUNP-TV, ch. 36; granted MP to raise ERP to 1470 kw max (Television Digest had present ERP at 1260 kw, but data base from Larry Fuss reports that figure amended to 1340 kw. Television Digest seldom reports amendments for some strange reason); 1206' AAT/1137' AG/1421' ASL (Going by Television Digest figures, that's a reduction of 246' AAT, and 346' AG and ASL; sounds like somebody botched up a figure somewhere by a hundred feet. Larry Fuss's data shows a reduction of 67' AAT, which could be misleading if the 1206' AAT figure is off by that hundred feet, or if it had been recalculated from different maps.
- ND Dickinson; KDSE, ch. 9; granted CP to reduce ERP from 265.5 kw to 214 kw max; Same TL; 789' AAT/52' AG/3391' ASL (52' lower AG; 118' lower ASL; the ground sank 66' after they built the tower. What did they build it on, a sinkhole?)
- OK Oklahoma City; KETA, ch. 13; granted license to cover CP for changes: ERP raised from 260 kw to 316 kw max; 1525' AAT/1537' AG/2690' ASL; same TL (which means the ground sank 161' since they first built the tower.)
- OK Sayre; KVIJ-TV, ch. 8; granted license to cover CP for change in ERP from 79.4 kw to 131.5 kw max; antenna location and height unchanged; no reported sinkholes.
- PA Altoona; WMPC-TV, ch. 23; granted license to cover CP for changes; see 3/87 VUD.
- SC Charleston; WCBD-TV, ch. 2; granted license to cover CP for changes: antenna raised 1108' higher ASL to 1950' AAT/1940' AG/1957' ASL; TL to Avondale section, Seewee Road, 4 miles northeast of Ten Mile, Charleston County; coordinates 32d-56'24"/79d-41'25" (Az. 51 degrees, 15.5 miles from former TL); same ERP. Shouldn't do much for your E-skip loggings, but sounds super for coastal tropes.
- SC Charleston; WCSC-TV, ch. 5; granted license to cover MP to raise antenna 923' ASL to 1960' AAT/1956' AG/1970' ASL; TL to 3.4 miles northeast of Ten Mile, east of Hwy 17-701, southeast of its intersection with Seewee Road; coordinates 32d-55'28"/79d-41'58" (Az. 43 degrees, 12.11 miles from former TL); Same ERP. Increased height should make it look good during those coastal tropes.
- TN Crossville; WINT-TV, ch. 20 (off the air since 1983, when it operated on ch. 55); granted modification of CP for 14.8 kw max ERP. Had a construction permit for 2820 kw max/2340 kw hor; so much for high hopes. It used to operate on ch. 55 at 18.66 kw. TL to Wells Road; coordinates 35d-56'12"/85d-00'46" (Az. 292 degrees, or WNW, 9.3 miles from former TL); 159' AAT/157' AG/1949' ASL (That's 911' lower ASL than former transmitter). Doesn't appear like anything that would appear too often in DX reports.

SPECIAL FCC REPORT

The Special FCC Task Force for the Investigation of Sinking Television Transmitter Antennas has concluded its study of sinking VHF television transmitters in the plains states. The SFCCFISTITA report documented the discovery that high energy VHF electromagnetic radiation emanating from those towers has caused genetic mutations in prairie dogs, causing them to grow to gigantic proportions. Huge burrowing tunnels beneath the towers have collapsed under the weight of the towers. The FCC proposal to eliminate the prairie dogs with elephant guns has come under the attack of local farmers, who discovered that mutated prairie dog manure makes better fertilizer than cow manure.

CALL LETTER APPLICATIONS: NEW TELEVISION STATIONS

- FL 62 WBVS-TV Venice; Venice Broadcasting Corporation
 NJ 60 WFME-TV West Milford; Family Stations of New Jersey Inc.
 PA 60 WBPH-TV Bethlehem; Sonshine Family Television Corp.
 PR 36 WDHL Bayamon; Bayamon Christian Network Inc.
 SD 15 KBLO-TV Rapid City; Midcontinent Broadcasting Company
 WY 33 KKTU Cheyenne; KDBJ

CALL LETTER APPLICATIONS: EXISTING TELEVISION STATIONS

- CO 3 KREG-TV Glenwood Springs; KCWS

CALL LETTER GRANTS: NEW TELEVISION STATIONS

- AL 61 WMAI Mobile; Mobile TV 61 Inc.
 AK 5 KYES Anchorage; KFTC
 CA 8 KDKJ Fort Bragg; Capital Foothills Broadcasters
 FL 35 WFGX Fort Walton Beach; WQAC
 GA 34 WNGM-TV Georgia Mountain Corporation
 MI 33 WGKI GRK Productions Inc.
 MT 18 KRWL Butte; Robin C. Brandt
 OK 30 KICN Shawnee; KCVT
 TX 2 KACV-TV Amarillo; Amarillo Junior College District
 TX 22 KUYA Galveston; Galveston Educational TV Inc.
 TX 42 KNLN Odessa; Alfred Roeber III
 TX 29 KYRT San Antonio; KABB
 WA 33 KBGE Bellevue; Gill Communications Inc.
 WY 33 KKTU Cheyenne; KDBJ

CALL LETTER CHANGES: EXISTING TELEVISION STATIONS

- FL 51 WOGX Ocala; W8SP
 NJ 9 WWOR-TV Secaucus; WOR-TV
 PA 29 WTXF-TV Philadelphia; WTAF-TV
 PR 7 WSTE Ponce; WLUZ-TV

CHANGES IN THE TABLE OF TELEVISION CHANNEL ASSIGNMENTS

AL Montgomery: add #63+
AZ Holbrook: add 11+
CA Bishop: add 20+
CA Twentynine Palms: add 31z
CO Grand Junction: add 44+
ID Twin Falls: add 35z
ME Waterville: add 23-
MI Bad Axe: add 41- (site restriction 4.0 miles NE to protect WUHQ-TV, Battle Creek MI)
MN Walker: add 38-
NE McCook: add 12+ (site restriction 21.5 miles east)
NY Bath: add 14- (site restriction 8.4 miles south)
NY Corning: add 48+ (site restriction 8.5 miles south)
OR Grants Pass: add 30+
PA Williamsport: add 53- (site restriction 7.4 miles west)
TN Jellico: add 54- (site restriction 5.3 miles south)
TX Bryan: add 28z

CONSOLIDATED HEARINGS

FL Jacksonville; ch. 59; Florida Educational Television of Duval County Inc.; Jacksonville Educators Broadcasting Inc.; Jacksonville Educational Television Inc.
FL Leesburg; ch. 45; The Kings Academy; Central Florida Educational Television.
IN Indianapolis; ch. 69; Kingdom of God Ministries Inc.; Butler University.
OR Klamath Falls; ch. 31; Garcia Communications; Sunshine Television Inc. (Sunshine proposes to construct a satellite of KDRV, Medford OR).
PR Bayamon; ch. 36; Christian Network Inc.; Tele Bayamon Broadcasting.
TX Mineola; ch. 64; Golden Communications Inc.; Wood County Broadcasting.
TX Rio Grande City; Joneco Broadcasting; Robert Gonzalez; Kathy L. Young.
TX Sonora; ch. 11; Joneco Broadcasting; Tower Broadcasting Corporation.
TX Victoria; ch. 31; Turner Broadcasting & Communications; Victoria Broadcasting.
VI Charlotte Amalie; ch. 43; Franklin D. Graham; Broadcast International Inc.
VA Charlottesville; ch. 64; Christopher Gault; Evangel Communications Inc.
WI Chippewa Falls; ch. 48; Bushland Specialties/WCFW; Family Group Ltd.
WY Jackson; ch. 2; Western Telecasting Company; William L. Cook II; Bear Broadcasting Ltd.

NEW TELEVISION STATIONS NOW ON THE AIR

Due to the inability of this word processor to produce symbols, "d-" is used to represent degrees in the transmitter coordinates.
IN Fort Wayne; WFWA, ch. #39-, went on the air 12/5/1986; 115 kw max ERP; 730' AAT/720' AG/1536' ASL; TL at 3232 Hillegas Road, Allen County; coordinates 41d-06'13"/85d-11'28"; beam tilt; horizontal polarization. Address: Fort Wayne Public TV Inc., Box 39, Fort Wayne IN 46808.
MA Norwell; WRYT-TV, ch. 46 (reported in an earlier column), is affiliated with Video Program Network.
MI Bad Axe; WUCX-TV, ch. #35z, went on the air 12/31/1986; 85.9 kw max ERP; 471' AAT/434' AG/1181' ASL; TL at 5180 Hwy M-19, Ubly; coordinates 43d-41'26"/82d-56'29"; horizontal polarization. Address: Delta College, University Center MI, 48710
MS Gulfport; WXXV-TV, ch. 25-, went on the air 2/14/1987; 2240 kw max ERP; 1600' AAT/1509' AG/1749' ASL; TL 4.7 miles northeast of McHenry MS; coordinates 30d-44'48"/89d-03'30"; beam tilt; horizontal polarization. Address: Gulf Coast Broadcasting, Box

2500, Gulfport MS 39505-2500. Independent station.
MS Hattiesburg; WHLT, ch. 22z, went on the air 1/12/1987; see note and modified data under FACILITIES CHANGES GRANTED. Permit at the time of sign on called for 676 kw max/562 kw hor ERP; 862' HAAT. Address: Broadcasters of Mississippi Inc., Box 232, Hattiesburg MS 39403-0232. CBS affiliate.
NC Belmont; WMMU, ch. 46+, went on the air 3/11/1987; 5000 kw max ERP; 1948' AAT/1921' AG/2721' ASL; beam tilt; horizontal polarization; TL 2.9 miles northeast of Dallas City limits, 0.7 mile southeast of the intersection of state hwy 1001 and 1836; coordinates 35d-21'44"/81d-09'19". Address: Metro Crescent Communications Inc., 3501 Performance Road, Charlotte NC 28201. Independent station.
OH Chillicothe; WMAAT-TV, ch. 53z, was scheduled to sign on 4/15/87; amended data from Larry Fuss data base calls for 1218 kw ERP; 653' AAT; coordinates 39d-35'30"/83d-06'38"; directional antenna; beam tilt; horizontal polarization. Address: Triplett Broadcasting Company, 2698 Saubury Blvd., Columbus OH 43085.
PR San Juan; WRMR-TV, ch. 30z, went on the air around November, 1986; 2630 kw max/288 kw hor ERP; 942' AAT; directional antenna; beam tilt; horizontal polarization; coordinates 18d-16'30"/66d-05'36". Address: Bay Broadcasting Inc., RD2, km 9.2, Bayamon PR 00918. Independent station.
PR San Sebastian; WJWN-TV, ch. 38z, was seen testing by Richard Clark with 3/4 CBT in November, 1986, and probably transmitting regular programming by now. 85.9kw max ERP; 1088' AAT/81' AG/1295' ASL; TL on WVEO(TV) tower, Atalaya Peak, 3.2 miles northwest of Anasco, Aguada; coordinates 18d-10'06"/67d-10'42"; directional antenna; beam tilt; horizontal polarization. Address: Tele 38 Inc., Military Road, San Sebastian PR 00901.
TX Dallas; KDTX-TV, ch. 58z, went on the air 2/9/1987; 5000 kw max ERP; 1437' AAT/1241' AG/2061' ASL; TL on Beltline Road, 0.8 mile west of Cedar Hill; coordinates 32d-35'22"/96d-58'10"; directional antenna; beam tilt; elliptical polarization. Address: Trinity Broadcasting of Texas Inc., 1455 W. Beltline Road, Cedar Hills TX 75104. TBN affiliate.
TX Jacksonville; KETK-TV, ch. 56z, went on the air 3/9/1987; 5000 kw max ERP; amended HAAT=1583' (from Larry Fuss data base; AG and ASL unavailable); TL 1.8 mile west of Mt. Selman, south of State Hwy 855; coordinates 32d-03'40"/95d-18-50"; directional antenna; beam tilt; horizontal polarization. Address: Texas American Broadcasting Ltd., 5656 N. Jackson, Jacksonville TX 75766. NBC affiliate.
WI La Crosse; WLAX, ch. 25 (reported in the 1/87,VUD). Address: Family Group Ltd. III, 1305 Interchange Place, La Crosse WI 54603.

STATION BACK ON AIR -

KS Colby; KLBV, ch. 4, went back on the air 2/11/1987; ABC affiliate; satellite of KAKE-TV, ch. 10, Wichita KS.

TARGET DATES

FL Naples; WNPL-TV, ch. 46z; scheduled for spring, 1987. Authorized for 5000 kw max ERP
FL Fort Walton Beach; WFGX, ch. 35z (just changed call letters from WQAC), plans to go on the air early April, 1987. This one is only 826 kw ERP.

NETWORK CHANGES

MT Billings; KULR-TV, ch. 8, changing from ABC to NBC. That means that KOUS-TV, ch. 4 in Hardin, will probably have to change from NBC to ABC.

FORUM

You probably noticed some changes in this column as soon as you turned to it. I'm now doing it on the computer. That means I can put everything in order by state, which up to now was too time consuming. It also means I can catch more typing mistakes. But it also means I can no longer use the "elite" 12 characters per inch. I am limited to ten, as on this page, or to seventeen in compressed mode, as on the first five pages.

There had been complaints about the use of small text in some of the other columns in the VUD. Although I do not intend on using compressed text for FORUM, I figured I could save space by using it for the data section, which most members only page through for items in their area.

Another news item: The WTFDA 1987 NORTH AMERICAN TELEVISION STATION DATA BASE is now on sale. At the time of this writing the price was not yet certain, but I'm sure it's advertised somewhere in this issue of the VUD.

JOHN COMBS (Jacksonville FL) (Oh yes, this printer does not underline) reported WESH-2 (Daytona Beach FL) identifying with translator W16AJ, apparently the replacement for W56BG, Melbourne-Palm Bay, which was bumped off the air by WAYK-56 (Melbourne FL). He also sent a news service release that reports a breakthrough in "satellite dish design, which has remained almost stagnant for three decades." "The new antenna does away with the need for a large metal or fiberglass dish. It is flat and small.... Compared with current satellite antennas, which are usually 6 to 8 feet in diameter, the new 'planar' design apparently can be any size from a foot across to the size of an outside wall."

From FRANK ADEN JR. (Boise ID): "I spent considerable time in trying to find out who is behind K43BE in Boise, station was testing a few months back. FCC Monitoring station in Ferndale WA told me it belongs to Kentel Corp. Transmitter is located on table rock as suspected with 1kw. It is in the same building as K47EB.... [The Ferndale FCC] reported LPTV stations do not have to have a public file in city of license but information can be obtained on any station via the FREEDOM OF INFORMATION ACT. To get a copy of a station's file all you need to do is write the Secretary of the FCC, 1919 M St., Washington DC 20554, & ask for a copy of the file on said station per FOIA. This may make it a little easier to get information on new or off the air stations."

(But don't you have to pay for copying of the material? I think most

government departments have an agent in charge of supplying material upon request. The FCC has been, at least a few years ago, using Downtown Copy Center, which probably charges \$.10 to \$.15 a page, and their file is probably loaded with 95% worthless information such as bank loans, stockholders, other involvements of the station's owners, public affairs ascertainment material, equal employment opportunity records, zoning and planning board authorizations, letters from the local public, etc. Somewhere in that mess you might find a coverage map.)

Frank sent a copy of an article from the 3/9/87 Oregonian: "Richland, Wash. (AP) - Washington State University President Sam Smith says Battelle-Northwest's \$45,000 donation is a cornerstone for the Tri-Cities' first public television station." (KTNW, ch. 31, granted a permit last September for 57.2 kw, and to be licensed to Richland WA. -wbf) "The new sister station for Pullman's KWSU-TV should open in October, once a first-year budget of \$230,000 is raised locally to supplement a federal grant of about \$400,000, Smith said."

ERIC FADER (Bronx NY) writes, "Re: the CCI pattern discussion in the 3/87 VUD (p.24, left column): During a couple of South Florida Es openings a few years ago, I noted strong diagonal CCI on channel 3. I don't know how many bars there were...but they were completely diagonal (not just slanted a little). I assumed them to be Cuban in origin. Since then, I've seen weaker diagonal bars a couple of times, & just dismissed it offhandedly as 'Cuban CCI.' Does this make sense?"

The bars you describe suggest a CCI pattern so far off of the carrier frequency that I would suggest the possibility of cable leakage. Do you have cable TV in your area? To the best of my knowledge Cuba uses no carrier offsets, but its stations seem to adhere to their assigned frequency closely.

RANDY MILTIER (San Jose CA) sent an article on Home Shopping Club from the 3/13/87 San Jose Mercury News: "Some analysts called Home Shopping Network a fad that is already fizzling after a disappointing earnings announcement sent the video retailer's stock into a tailspin this week. 'It's like Silly Putty and Hula Hoops. At some point the allure of the fad fades and the bubble bursts,' said Carl Steidtmann, vice president of Management Horizons, an Ohio-based retail consulting firm. Others said that Wall Street didn't realize how quickly competitors would enter the televised shop-at-home field that the Clearwater, Fla., company

pioneered. They called Wednesday's 20 percent decline in stock price an 'adjustment' that reflects HSN's new competition." "The market naively overvalued Home Shopping Network because it was the first in the market. It didn't foresee the speed or level that competition would enter the market," said Thomas Rauh, director of retail consulting for Touche Ross." What the article didn't mention is that the price of a share went up to around \$35 when there was a good chance of HSN buying out its biggest competitor. When that failed, a share went down to \$25 at the time of the article. Since then it dropped to as low as \$12, and is now between \$15 and \$16. It's listed in the American Exchange, if anybody's interested in following its progress.

Randy also mentions that the Santa Clara County Board of Education breaking away from KTEH-54, leaving that station on its own. The station still uses the slogan, "Programming from the Board of Education, Santa Clara County." Also from Randy: "KWBB-38, KLXV-65 & KPST-66 are still not listed in TV Guide. KLXV-65 with religious programming just had a money drive for programming for ch. 65." "KPST-66 has actually had other programming other than Home Shopping, one was a community program in Vallejo." All the home shopping stations do that. That's how they can justify their license to the FCC: an occasional community-related program to show they care about people. The FCC calls it "Ascertainment of community needs and interests."

WENDELL FORD (Westville IN) sent two articles relating to public television. One is an editorial: "One reason Northwest Indiana residents feel cut off from their state government is that there is no local television station to bring them state news, political debates, political commercials." How many of you WTFDA members actually watch political debates and commercials? How many of you are totally unable to get access to a local newspaper to read about your state government? I love editorials; they can be funnier than the funnies. "Most people know more about Illinois government, via the Chicago channels, than about their home state." "Northwest Indiana Public Broadcasting Inc. is on the verge of being able to get WYIN, Channel 56, operating - but it needs some state help. The public broadcasting group has been working for years to go on the air, ever since it acquired the license held by the Lake Central School Corp. for Channel 50, which was closed in early 1983.

The goal is a professionally run public broadcasting channel, offering more than the school operation could. Between solicited private donations, money obtained in a deal with a commercial television operation to exchange channel numbers (50 for 56) and a hefty federal grant, the group has cleared the way to start operations - but it needs \$200,000 to complete capital construction without dipping into its operations funds." The editorial goes on to explain what steps must be taken to get the state government to dish out the required funds. And we all know the best way to solve problems is to get your government to throw money at it.

The next article deals with public TV stations and cable companies. "Public television broadcasters say the survival of some of their stations is being jeopardized by cable operators who are dropping the stations in favor of commercial programming. Cable operators, however, say public broadcasters are exaggerating and argue that new rules requiring cable operators to carry a certain number of public TV stations are 'constitutionally indefensible.'" "Public broadcasters list 175 instances in which cable operators in recent months have stopped carrying public TV stations they had been required to carry under the old FCC rules struck down as unconstitutional in 1985." "Public broadcasters want the FCC to require that all local public stations be carried by the cable operator serving their area. They also want protection from being shifted to the higher numbers on channel selectors."

GEORGE MILEON (Lynn MA) reports, "Channel 19 is now on the air in Boston. It's all Spanish. Began 3/8/86 (do you mean 1987? -wbf). Broadcast tower is on the Prudential Building. Studio is in a building in the Spanish community. They have yet to show their call letters. Are they low power operation?" Probably. I don't know of any channel 19 up there. Too close to Adams MA for full power. "Channel 46 in Norwell is still very difficult to get; just like channel 50 in New Hampshire, very weak signal in my area. I still can't figure out how these new stations go on the air with such weak signals." They use Eveready Energizers.

Plenty of mail left, but if I don't get this thing mailed off tomorrow morning, it won't get printed in the 6/87 VUD.

DX-ING WITH INDOOR ANTENNAS

by Joe Manucci

I am one of those DX nuts whose lifestyle is apartment living. Since I do not have the big bucks for a house, I choose to live in a highrise. Some day maybe..... Anyway, my landlord is actually a faceless corporation who tells me that hanging any form of antenna whatsoever outside my windows will void my lease and lead to my eviction, which would make somebody happy anyway due to the waiting list these kind of places have.

The bottom line for me and anyone else around my complex be they ham, CBER, or mad scientist is NO ANTENNAS. Here I am, a DXer like a fish out of water so to speak! I had to have some kind of antennas for the E-skip season. In my location, the FM band is pretty crowded with several locals 3 to 13 miles away on high towers with powers ranging from 3 to 100 kilowatts. Lowband TV is clear out to 50 miles away, but I've got one hi-bander and a couple of UHFers to contend with.

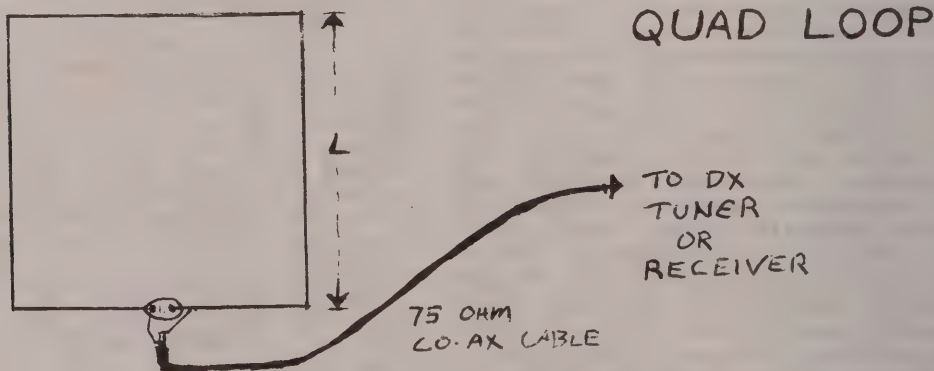
I like to DX E-skip and feel that simple rabbit ears such as the cheapo pair that was supplied with my RCA TV do not do the job, and the experts will back me up on this, it seems that such "ears" are just plain not big enough to capture enough signal at channel 2--not enough "Capture Area" as they say. Even a halfwave dipole at that channel would be longer than 10 feet across--and that would just be "unity" gain, or if you talk decibels, zero db of gain. Fortunately, tho, for E-skip one does not have to have a lot of gain on the antenna--a good amount of Capture Area is better.



I did get a dipole with my FM tuner (Realistic), but it really is not too much better than the TV rabbit ears, simply a piece of 300 ohm ribbon twin lead cut for somewhere around the middle of the FM band. Again this can't ever have more than zero db gain. I HAVE found that the Radio Shack 15-1636 Triple Drive 6 element FM antenna will work fair to good for strong E-skip DX inside an apartment IF you have enough space for it and a way to rotate (hang it from the ceiling maybe??) and will even work fair for TV E-skip, beating most rabbit ear antennas.

I have tried indoor antenna amplifiers for the FM band. Forget 'em. If you have any locals at all they are not worth the trouble. If anyone in the club has ever had good results with an indoor antenna amplifier, I would like to see you write it up for the V.U.D. I do understand that the Magnum units from Canada (which are expensive) DO work and this is because they are tuneable preselectors rather than broadband amplifiers.

Word has it that the home-brew "Quad" loops built by some members do also work quite a bit better than simple rabbit ears, and they may offer a bit of improved gain also. They are easy to build, you can even build them out of lamp cord. The idea is simple. each side of the loop is equal to one-quarter wavelength of the frequency you design it for. You connect the loop to 75 ohm co-ax cable, then run the cable to your DX receiver:

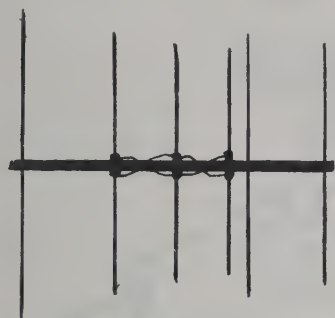


Of course since you have to use the co-ax you will also have to use a balun at the antenna terminals of your TV or FM DX tuner but not on the Quad loop itself, since the center conductor and outer shield is connected directly to the ends of the loop. Use an insulator, like the type sold for use in shortwave and ham longwire antennas, made of porcelain, glass or similar type material.

This kind of loop is cut to the wavelength of the channel or group of frequencies you make it for, and you can make it out of the relatively cheap electrical lamp cord wire you can buy at the hardware shop. Or you can make it out of shortwave antenna wire, but you have to be careful with it as it such wire is not insulated.

The theory of the loop is that each side "L" is equal to one-quarter wavelength, determined by the formula of 248 divided by the frequency of the channel you are making the antenna for. This is sort of like a folded dipole antenna in that it is fairly broadband so it can be made for more than one channel, but it does not have the same kind of bandwidth or impedance of a regular folded dipole.

For channel 2, the L equals 54 inches; channel 3 = 49"; channel 4 = 44"; channel 5 = 39"; channel 6 = 36"; FM band center = 31"; 107.9 mhz = 28". The nice thing about this simple loop is that you can hang it on a wall and it DOES beat the results of rabbit ears. If you cut another loop and connect the ends together without an insulator, you can mount it a couple feet behind the quad loop and use it like the reflector element on a yagi antenna, to give more gain in addition to making the pickup more directional. This would mean that you'd have to make a wooden frame to support the thing, but it still would be easier to mount and turn inside your apartment than a small yagi would; and as the experts say, better than many yagi antennas for E-skip reception.



RADIO SHACK
ARCHER 15-1636
FM ANTENNA

For my E-skip reception I plan to use the Radio Shack Triple Drive 6 element inside my apartment again this summer. It is cut for the FM band, but it will pickup a good amount of skip on the low band TV channels when conditions are right. I feel that my FM receiver being much more sensitive than a TV set is my main E-skip tuner anyway, and use an "A/B" switch to go over to FM when it climbs to 88 mHz.

One nice thing you can do with indoor antennas such as rabbit ears or the Quad loops is to quickly turn them ninety degrees on their sides to check for vertical polarized skip signals. Lets see you guys with outside yagis do that trick! It can be done with outdoor antennas, but you need either a second special rotor on the antenna boom, or another separate vertical mounted antenna! Vertical polarization is useful sometimes because the skip comes in more on the vertical side than the horizontal in certain intense openings, especially some of the ones that hit in July. Having a vertical polarized antenna also is a big help to cut down on the local signal too, as this will be mainly horizontal. If you have strong local channels 2 & 4 on TV for instance, turning the loop or ears vertical may cut way down on the slopover on 3. You may be able to hear some DX on the FM channels adjacent to your 100 KW local FM this way too.

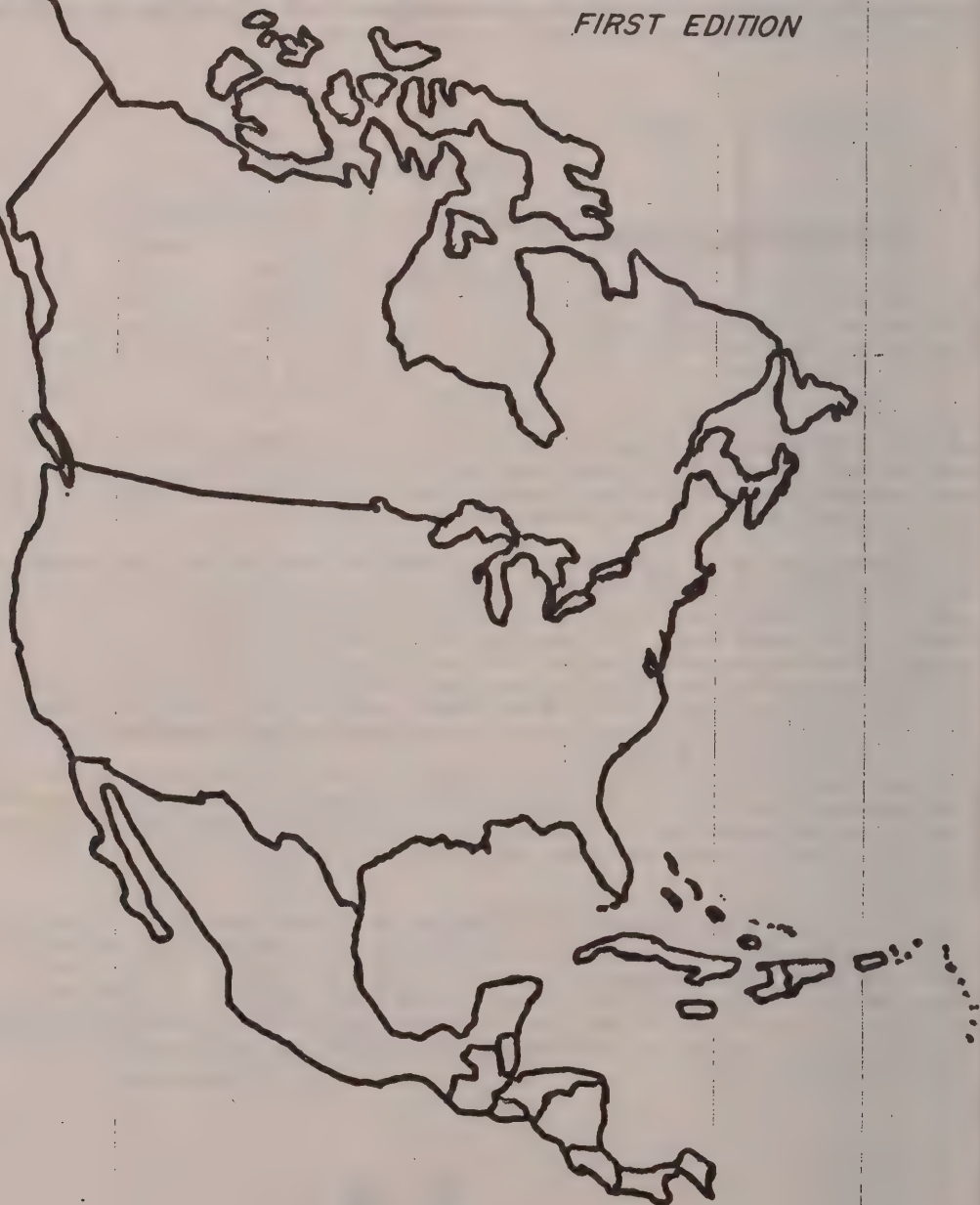
So you see, good E-skip results can be had without antennas up on the roof. The same is not necessarily true about Tropo and Meteor DX but I'll settle for a good E-skip opening anytime as Es just is not as predictable and to my way of thinking, more fun because of this fact. In a halfway decent year you will find E-skip adding stations to your log totals very quickly as there are many targets waiting for you in that 450 to 1300 mile single hop skip zone, especially on the FM band.

Someday I plan to buy my dream house but until that point I am an indoor antenna DXer. Just because I am stuck in a highrise doesn't mean that I can't get good DX results. E-skip is one type of VHF wave propagation that does not require huge expensive outdoor antennas and I prove that every summer, sometimes even a few times in winter. I would like to see how all of you other fellow club members who are stuck in apartments and condos make due. Maybe WTFDA HDQ. should take a poll and find out how many of our members cannot put up outside antennas! Write up your suggestions and results in the V.U.D. and lets show those DXers with tall towers and stacked arrays just how much you can do with simple inside antennas! 73s!!!!

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VIDEO LINES

Bill Thompson
74 Franklin St. #239
Buffalo, NY 14202

May 1986 (I think)

VHF/UHF GENERAL COVERAGE TV DX MACHINES

First off, I've really gotta apologize for the sporadic nature of this column. My time gets taken up by lots other stuff, forcing this column to appear infrequently. Thanks to those of you who wrote about my previous VIDEO LINES, which ran in September '86. You know, if I was being paid to do this column, they'd have FIRED me about eight months ago... Anyway, I'd still love to see somebody come forth and do an FM DX version of VIDEO LINES, which is all about what's new or useful on the market for TV DXing. How about it, someone?

The BIG news since last time has been the proliferation of the new "all-band" VHF/UHF receivers by the people who make shortwave receivers. At first glance, they sound sort of like a TV/FM DXer's dream machine. There has been a lot of hype about them, mostly in the form of advertising. The two that are of particular interest to WTFDAers are the Yaesu FRG-9600 "VHF/UHF multimode receiver" offering continuous coverage of 60 to 905 MHz, the ICOM R-7000 "Scanning Receiver" which tunes 25 to 1000 MHz and 1025 to 2000 MHz. Both offer optional video adapters and tune all major modes you might find in use on the frequency ranges covered: FM and AM (wide and narrow), SSB, CW, and TV. In addition to hitting all the standard TV broadcast channels, these machines cover the UHF bands that are most popular with amateur TV operators.

Rumors abound that other manufacturers beside ICOM and Yaesu are coming out with similar models, scanning receivers that are dedicated VHF/UHF receivers--not just shortwave receivers with optional VHF converters. We'll see. For the time being, most avid TV DXers are drooling over the ICOM and Yaesu rigs. There are important performance differences, more than just in frequency coverage. Whatiwannaknow (as Mr. Headroom says) is are these receivers really worth it? There are certain design problems that force compromises in wide-coverage receivers. It used to be that sensitivity was a major concern. Now, though, the problem centers around cross-modulation and selectivity. It may be great to have a single receiver that will tune all the most active PSB and amateur bands. But when it comes to the TV broadcast channels, watch out! The local stations in this range are just pumping out much more RF energy than a communications-type receiver can be expected to cope with reasonably.

The ICOM is currently selling for around \$970 at a major ham radio supplier in the midwest U.S., without the video adaptor, which could easily push the price to well over \$1000. The Yaesu unit is cheaper, around half the price of the ICOM at the same outlet. What's worrisome is that the ICOM promised to offer superior performance to the Yaesu, and a recent review in SPEC-COM, the best ham video magazine, indicates that, while sensitivity is "good," the ICOM R-7000 did not match the performance of an ATV downconverter. The reviewer indicated that the loss of sensitivity is acceptable considering the wide frequency range covered. Sounds a bit like he was describing a conventional UHF TV tuner, doesn't it? What remains to be seen is how it performs in the presence of strong local signal on the UHF TV band. I'd like to hear from any WTFDAers who have tried this, or the Yaesu unit for TV DXing. I must admit that I've talked with one or two veteran DXers who refuse to even consider these rigs, their argument being that their Mitsubishi, or Teknika, or Zenith, or GE, or whatever, HAS to be much better due to the nature of the differences between a communications receiver and a TV tuner.

I've been trying to acquire one of these receivers to try on approval. I have a definite favorite, and I won't say which one. Like more than a few club members, I'd love to find out for myself whether or not the skeptics' claims of these machines being nothing more than "glorified scanners not worth the price" (as one longtime TV DXer put it).

More about this next time. In the meantime, thanks for those who wrote about the tuner discussion in the last column. Two things have become obvious from your comments: the Mitsubishis are over-rated, and Zenith may not be making them like they used to--a shame, because a whole generation of TV DXers looked to Zenith as a standard of comparison.

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* * * PUBLISHER'S NOTES * * *

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A BIG THANKS TO MR. FAHBER THE NEW TVSDB IS A PRODUCT OF THE EFFORTS OF TELEVISION NEWS EDITOR. WE'D LIKE TO THANK HIM FOR ALL THE TIME SPENT ON THIS MASSIVE PROJECT. FEW DX CLUBS CAN RELY ON A SINGLE VOLUNTEER TO DO SO MUCH WORK. THE RESULT SHOWS HIS DEDICATION TO THIS HOBBY--IT'S A PIECE OF WORK DESIGNED FOR DXERS, BUT GOOD ENOUGH FOR PROFESSIONALS TO USE AS A REFERENCE. NICE JOB, BILL!

WTFDA CONVENTION NEARING 1987'S CLUB CONVENTION IS NOW JUST A COUPLE OF MONTHS AWAY! DETAILS ON THE BIG EVENT WILL BE FOUND ELSEWHERE IN THIS ISSUE--BE SURE TO CHECK DR. BRUCE ELVING'S FCC FM COLUMN FOR LAST MINUTE UPDATES ON THE PROGRAM. DON'T WASTE TIME; IF YOU PLAN TO BE IN THE DULUTH AREA FOR THE CLUB GETTOGETHER JULY 31 TO AUGUST 2, HE WANTS TO HEAR FROM YOU AS SOON AS POSSIBLE. HOW ABOUT RIGHT NOW? WE HOPE TO MEET YOU THERE--AND WHAT A GREAT OPPORTUNITY IT IS TO MEET YOUR FELLOW DXING ENTHUSIASTS! REALLY, NO SERIOUS FM/TV DX ENTHUSIAST SHOULD MISS THIS CHANCE TO MEET WITH FELLOW CLUB MEMBERS. EVEN LONGTIME DXERS END UP LEARNING MORE ABOUT THEIR HOBBY THIS WAY, AND IF YOU'RE NEW TO DXING, YOU'LL END UP WITH MORE GOOD HINTS AND TIPS ON EQUIPMENT AND TECHNIQUES IN JUST ONE WEEKEND THAN YOU'D COME ACROSS IN YEARS OF EXPERIMENTING ON YOUR OWN.

V U DELAY??? IF YOU THOUGHT THE VUD SEEMED A BIT LATE LAST MONTH, YOU WERE RIGHT! DUE TO MECHANICAL PROBLEMS WITH SOME NEW EQUIPMENT AT OUR BUFFALO PRINTER, THE VUD DIDN'T GO INTO THE MAIL UNTIL ABOUT A WEEK LATER THAN USUAL. THIS MONTH, WE EXPECT THINGS TO GET BACK TO NORMAL. BY THE WAY, THE VUD IS MAILED SO THAT IT USUALLY GETS TO YOU SOMETIME DURING THE FIRST WEEK OF EACH MONTH (FOR NORTH AMERICAN MEMBERS).

WRITING TO CLUB HEADQUARTERS? IF YOU WRITE TO CLUB HQ AND WANT A REPLY, PLEASE BE SURE TO INCLUDE A SELF-ADDRESSED STAMPED ENVELOPE. REMEMBER, WTFDA IS NONPROFIT AND STAFFED ENTIRELY BY UNPAID VOLUNTEERS; YOUR DUES GO ENTIRELY TO COVER COSTS OF PRINTING AND MAILING THE VUD, WE LIKE TO KEEP IT THAT WAY. EXPENSES FOR CLUB CORRESPONDENCE ARE NOT COVERED BY CLUB DUES--KEEPING IT THAT WAY KEEPS YOUR WTFDA DUES DOWN. THAT'S IMPORTANT TO US, AND IT SHOULD BE KEPT IN MIND WHEN WRITING TO P.O. BOX 514 TO HAVE A QUESTION ANSWERED.

E-SKIP IS UPON US IT'S EARLY IN THE E-SKIP SEASON AS THIS IS BEING WRITTEN, BUT SOME LONGTIME DXERS ARE SAYING GOOD THINGS ABOUT THE ACTIVITY SO FAR. TIME WILL TELL, SO DON'T FORGET TO CHECK CONDITIONS--YOU MIGHT EVEN BE MISSING AN OPENING RIGHT NOW!

--BILL THOMPSON



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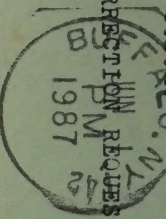
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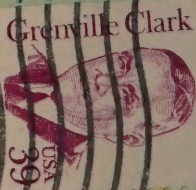
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